BELDEN

CABLE & CONNECTIVITY SOLUTIONS

ADVANCED PERFORMANCE AND RELIABILITY FOR SIGNAL TRANSMISSION

aps

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PRODUCT WARRANTY INFORMATION

10 YEAR WARRANTY

BELDEN INDUSTRIAL CABLE PRODUCT WARRANTY

All Belden-branded products (not including other Belden family brands) are warranted for a period of 10 years from the date of shipment to the buyer (with exceptions in select circumstances to the 10 year warranty). Fiber optic cables are warranted for a period of one year, and IBM cables are warranted for a period of 15 years. Additionally, Belden MediaTwist® UTP cables deliver stable performance to 350 MHz with electrical characteristics exceeding TIA/EIA Category 6 standards. Belden backs MediaTwist cables with a limited lifetime warranty to the original end user.

25 YEAR WARRANTY

BELDEN CERTIFIED SYSTEM WARRANTY

- The Belden Certified Category 6 Cabling System - 25-year Link and Channel Performance Warranty
- The Belden Certified Category 6A Cabling System - 25-year Link and Channel Performance Warranty
- The Belden Certified Optical Fiber Cabling System - 25-year Link and Channel Performance Warranty

FIBRE OPTIC

FIBRE OPTIC SELECTION GUIDE

FIBRE CABLE - MODE

What mode of fibre is being used?

Single Mode (SM/SMOF)

| OS1/OS2 (9µm/125µm)

Multi Mode (MM/MMOF)

| OM1 (62.5µm/125µm)
| OM3 (50µm/125µm)
| OM4 (50µm/125µm)
| OM5 (50µm/125µm)

FIBRE TYPE	MARKET STANDARD CABLE SHEATH COLOUR FOR INDOORS CABLES	MARKET STANDARD COLOUR CONNECTORS & THRU ADAPTOR
OM1	Orange	Beige
OM3	Aqua	Aqua*
OM4	Erica Violet / Aqua	Erica Violet*
OM5	Lime Green	Lime
SM	Yellow	Blue
SM (APC)	Yellow	Green

FIBRE CABLE - TYPE

Where is the cable going?, What is the type of cable required?

Standard

| Indoor/Outdoor Riser Cable (GUMT^**)
| External Loose Tube (GOGN** / GBNH**)

Specialty

| Rodent Protected - NMA (Non Mettallic Armour)
| Rodent Protected - CST (Corregated Steel Tape Armour)
| Mil Spec / Rapid Deployable / Tactical fibre
| Other (Please contact your APS Representative)

INTERNAL RISER PART NUMBER MATRIX

G	U	M	T	^	*	*

MODE^	
CODE	MODE
A	SM
1	OM1
D	OM3
E	OM4

CORE COUNT**	
CODE	NO. OF CORES
06	6
12	12
24	24
48	48

TYPE	PART NUMBER	QTY	DESCRIPTION
FIBRE SOLUTION - SINGLE MODE (OS2)			
Internal Riser Cables	GUMTA06.012100	mtr	6f Indoor/Outdoor OS2 SM Riser Cable
	GUMTA12.012100	mtr	12f Indoor/Outdoor OS2 SM Riser Cable
U/G Cable	GOGN812.T62100	mtr	12f OS2 SM Loose Tube
	GOGN824.T62100	mtr	24f OS2 SM Loose Tube
FIBRE SOLUTION - MULTI MODE (OM3)			
Internal Riser Cables	GUMTD06.052100	mtr	6f Indoor/Outdoor OM3 Riser Cable
	GUMTD12.052100	mtr	12f Indoor/Outdoor OM3 Riser Cable
U/G Cable	GOGND12.T62100	mtr	12f OM3 Loose Tube
	GOGND24.T62100	mtr	24f OM3 Loose Tube

How many cores are required?

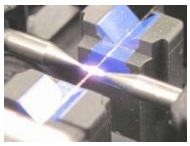
1	2	4	6	8	12	24	36	48	72	96	144	OTHER

TERMINATION

How are is the cable being terminated and which connector type?

Fibre Pigtails are only required where the Installing contractor is splicing, they are not required if patching or using preterminated cables

PRE-TERMINATED



FUSION SPLICING

FIELD TERMINABLE CONNECTOR

Match your mode of fibre cable with the correct connectivity e.g Singlemode fibre Cable should always be terminated using singlemode Connectors, Pigtails, Thruadaptors, etc

LC

LC/APC

MPO

SC

SC/APC

MTRJ

ST

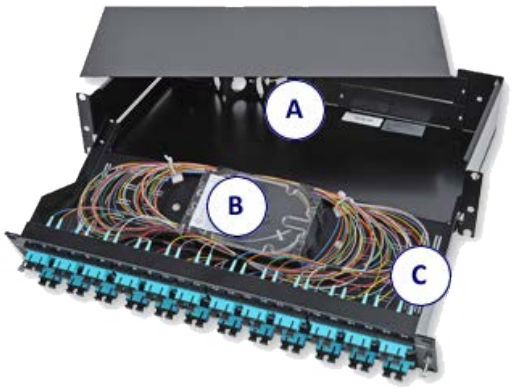
FC

SIMPLEX (SC)

DUPLEX (LC)

OTHER

COMMON PRODUCTS & FOBOT CONFIGURATIONS



PRODUCT GROUP	PART NUMBER	QTY	DESCRIPTION
FIBRE SOLUTION - SINGLE MODE (OS2)			
FOBOT - LC Option (12f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP101731	x1	12f LC Duplex Adaptor Strip
	TFSLC900PR12	x1	LC Single Mode Pigtails - 12 Pack (Rainbow)
	AP100066	x1	Blanking Plate
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm
FOBOT - LC Option (24f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP101731	x2	12f LC Duplex Adaptor Strip
	TFSLC900PR12	x2	LC Single Mode Pigtails - 12 Pack (Rainbow)
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm
FOBOT - SC Option (12f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP101409	x1	12f SC Duplex Adaptor Strip
	TFSSC900PR12	x1	SC Single Mode Pigtails - 12 Pack (Rainbow)
	AP100066	x1	Blanking Plate
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm
FOBOT - SC Option (24f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP101409	x2	12f SC Duplex Adaptor Strip
	TFSSC900PR12	x2	SC Single Mode Pigtails - 12 Pack (Rainbow)
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm

PRODUCT GROUP	PART NUMBER	QTY	DESCRIPTION
FIBRE SOLUTION - MULTI-MODE (OM3)			
FOBOT - LC Option (12f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP101729AQ	x1	12f LC Duplex Adaptor Strip
	TF3LC900PR12	x1	LC OM3 Pigtails - 12 Pack (Rainbow)
	AP100066	x1	Blanking Plate
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm
FOBOT - LC Option (24f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP101729AQ	x2	12f LC Duplex Adaptor Strip
	TF3LC900PR12	x2	LC OM3 Pigtails - 12 Pack (Rainbow)
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm
FOBOT - SC Option (24f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP100098AQ	x1	12f SC Duplex Adaptor Strip
	TF3SC900PR12	x1	SC OM3 Pigtails - 12 Pack (Rainbow)
	AP100066	x1	Blanking Plate
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm
FOBOT - SC Option (24f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP100098AQ	x2	12f SC Duplex Adaptor Strip
	TF3SC900PR12	x2	SC OM3 Pigtails - 12 Pack (Rainbow)
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm
Patch Leads - LC-LC	PF3LDLD001ML2XA	ea	1m LC to LC OM3 Patch Lead
	PF3LDLD002ML2XA	ea	2m LC to LC OM3 Patch Lead
Patch Leads - SC-SC	PF3SDSD001ML2XA	ea	1m SC to SC OM3 Patch Lead
	PF3SDSD002ML2XA	ea	2m SC to SC OM3 Patch Lead
FIBRE SOLUTION - OM4 MULTI-MODE			
FOBOT - LC Option (12f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP101729EV	x1	12f LC Duplex Adaptor Strip
	TF4LC900PR12	x1	LC OM3 Pigtails - 12 Pack (Rainbow)
	AP100066	x1	Blanking Plate
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm
FOBOT - LC Option (24f)	AP100041	x1	1RU 12/24 port 2 Slot FOBOT
	AP101729EV	x2	12f LC Duplex Adaptor Strip
	TF4LC900PR12	x2	LC OM3 Pigtails - 12 Pack (Rainbow)
	SPHS40	x1	Heat Shrink Splice protectors 25pk 40mm
Patch Leads - LC-LC	PF4LDLD001ML2XA	ea	1m LC to LC OM3 Patch Lead
	PF4LDLD002ML2XA	ea	2m LC to LC OM3 Patch Lead

COPPER CABLE

COPPER CABLE SELECTION GUIDE

CAT6 RETAIL (15 YEAR WARRANTY APPLICABLE*)

PART NUMBER	DESCRIPTION	COMMENTS
	INTERNAL CABLE	
BEL601006U305M	Cat6 4pr 24awg UTP Dataconnect 305mtr Box	
	EXTERNAL (UNDERGROUND) CABLE	
OSP6U0101000	Cat6 4pr UTP External BK 305mtr	
	OUTLETS / RJ45 JACKS	
AX101342	Cat6+ RJ45 Jack Suits Clipstal White	Moulded Jack to suit Clipsal 2000 Series Faceplate (110 Tool Termination)
RA6MJ-BK	Retail CAT6 RJ45 Modular Jack, Black	Keystone Jack - to suit RA56CPP24 - retail Cat6 unloaded patch panel (110 Tool Termination)
AX101320	Cat6+ RJ45 Jack Keyconnect White	Keystone Jack - Suitable to use with Iconic Bezel or other bezel to suit any wall plate (Use 110 Tool or Rapid Termination Tool)
	CLIPSAL STYLE BEZELS (IF USING KEYSTONE JACKS)	
BEZEL-WH	Bezel to suit Clipsal 2000 series faceplate - White	Required if using keystone jacks for outlets with Clipsal Face Plates
BEZEL-BK	Bezel to suit Clipsal 2000 series faceplate - Black	Required if using keystone jacks for outlets with Clipsal Face Plates
BEZEL-SH-WH	Shuttered Bezel to suit Clipsal 2000 series faceplate - White	Required using keystone jacks for outlets with Clipsal Face Plates - Added Shutter for dust protection
	MALE PLUGS	
RA6RJ	8P8C MODULAR PLUG FOR CAT 6 UTP (box of 50)	Crimp Crystals to make your own patch leads
RA6BT	RJ45-PLUG BOOT FOR CAT 6 UTP (box of 50)	Boots to go on the back of the crystals for mechanical protection
RA6CT	Deluxe Hand Modular Plug Crimping Tool	Tool for Crimp Plugs
	PATCH PANEL	
RA56CPP24	Patch Panel 24 Port 1RU (unloaded)	Requires 24x RA6MJ-BK Jacks, Belden Punchdown Tool Termination only at this stage
	PATCH PANEL ACCESSORIES	
AX105931	Rear Cable Manager for PP 1RU 19"	Lacing Bar
CABLEMNDR5R	5 Ring Cable Manager	
	PATCH LEADS	
RA6PC**M-BU	Cat6 Patch Leads LSZH Blue	See Patch leads part number matrix below

CAT6+ (25YR WARRANTY*)

PART NUMBER	DESCRIPTION	COMMENTS
Internal Cable		
7814A006A1000	Cat6 4pr 24awg PVC BL 305mtr Box	PVC Sheath
7814ANH006A1000	Cat6 4pr 24awg LSZH BL 305mtr Box	LSZH Sheath, Grey Option Also available - 7814ANH008A1000
	EXTERNAL (UNDERGROUND) CABLE	
OSP6U0101000	Cat6 4pr UTP External BK 305mtr	
	OUTLETS / RJ45 JACKS	
AX101342	Cat6+ RJ45 Jack Suits Clipstal White	Moulded Jack to suit Clipsal 2000 Series Faceplate (110 Tool Termination)
AX101320	Cat6+ RJ45 Jack Keyconnect White	Keystone Jack - Suitable to to use with Iconic Bezel or other bezel to suit any wall plate (Use 110 Tool or Rapid Termination Tool)
AX101321	Cat6+ RJ45 Jack Keyconnect Black	Keystone Jack - Suits AX101321 *included with patch panel

PART NUMBER	DESCRIPTION	COMMENTS
CLIPSAL STYLE BEZELS (IF USING KEYSTONE JACKS)		
BEZEL-WH	Bezel to suit Clipsal 2000 series faceplate - White	Required if using keystone jacks for outlets with Clipsal Face Plates
BEZEL-BK	Bezel to suit Clipsal 2000 series faceplate - Black	Required if using keystone jacks for outlets with Clipsal Face Plates
BEZEL-SH-WH	Shuttered Bezel to suit Clipsal 2000 series faceplate - White	Required using keystone jacks for outlets with Clipsal Face Plates - Added Shutter for dust protection
MALE PLUGS		
90000005	Cat6 Field Terminable RJ45 Plug	Toolless RJ45 Field Terminable Plug
PATCH PANEL		
AX103253	Cat6 24 Port Patch Panel 1RU (loaded)	Is supplied loaded w/ 24x AX101321
PATCH PANEL ACCESSORIES		
AX105931	Rear Cable Manager for PP 1RU 19"	Lacing Bar
CABLEMNDR5R	5 Ring Cable Manager	
PATCH LEADS		
RA6PC**M-BU	Cat6 Patch Leads LSZH Blue	See Patch leads part number matrix below

CAT6A UTP - UNSHIELDED (25YR WARRANTY*)

PART NUMBER	DESCRIPTION	COMMENTS
INTERNAL CABLE		
10GA24008305M	Cat 6A U/UTP LSZH (grey sheath), 305mtr Reel	Colour options available upon request
EXTERNAL (UNDERGROUND) CABLE		
OSP6AU0101000	CAT6A 4PR U/UTP OSP REEL, External, 305m Reel	
OUTLETS / RJ45 JACKS		
RVAMJKUEW-S1	REVConnect CAT6A UTP Jack, White (Keystone)	Keystone Jack - Requires Bezel for wall plate - RevConnect Tool termination
RVAMJKUBK-S1	REVConnect CAT6A UTP Jack, Black (Keystone)	Keystone Jack - suits AX106504-AP Unloaded Patch Panel
CLIPSAL STYLE BEZELS (REQUIRED FOR WALL OUTLETS)		
BEZEL-WH	Bezel to suit Clipsal 2000 series faceplate - White	Required if using keystone jacks for outlets with Clipsal Face Plates
BEZEL-BK	Bezel to suit Clipsal 2000 series faceplate - Black	Required if using keystone jacks for outlets with Clipsal Face Plates
BEZEL-SH-WH	Shuttered Bezel to suit Clipsal 2000 series faceplate - White	Required using keystone jacks for outlets with Clipsal Face Plates - Added Shutter for dust protection
MALE PLUGS		
RVAFPUBK-S1	Revconnect Cat 6A Unshielded Plug Black	RevConnect Tool termination
90000006	Cat6A Field Terminable RJ45 Plug	Toolless RJ45 Field Terminable Plug
PATCH PANEL		
AX106504-AP	Cat6a 24 Port Patch Panel Shielded 1RU (unloaded)	Requires 24x RVAMJKUBK-S1 Jacks, Belden Revconnect Tool Termination only
PATCH PANEL ACCESSORIES		
AX105931	Rear Cable Manager for PP 1RU 19"	Lacing Bar
CABLEMNDR5R	5 Ring Cable Manager	
PATCH LEADS		
CA241060***	Cat6a UTP Patch Leads LSZH Blue	See Patch leads part number matrix below

CAT6A F/UTP - SHIELDED (25YR WARRANTY*)

PART NUMBER	DESCRIPTION	COMMENTS
INTERNAL CABLE		
10GA25008305M	Cat 6A F/UTP LSZH (grey sheath), 305mtr Reel	Colour options available upon request
EXTERNAL (UNDERGROUND) CABLE		
OSP6AF0101000	CAT6A 4PR U/UTP OSP REEL, External, 305m Reel	

PART NUMBER	DESCRIPTION	COMMENTS
OUTLETS / RJ45 JACKS		
AX104562	Cat6A Shielded Jack Toolless (Keystone)	Requires Bezel to suit wall plate, also suits AX106504-AP patch panel
RVAMJKSME-S1	Revconnect Cat 6A Shielded Jack (Keystone)	Requires Bezel to suit wall plate, also suits AX106504-AP patch panel
CLIPSAL STYLE BEZELS (REQUIRED FOR WALL OUTLETS)		
BEZEL-WH	Bezel to suit Clipsal 2000 series faceplate - White	Required if using keystone jacks for outlets with Clipsal Face Plates
BEZEL-BK	Bezel to suit Clipsal 2000 series faceplate - Black	Required if using keystone jacks for outlets with Clipsal Face Plates
BEZEL-SH-WH	Shuttered Bezel to suit Clipsal 2000 series faceplate - White	Required using keystone jacks for outlets with Clipsal Face Plates - Added Shutter for dust protection
MALE PLUGS		
RVAFPSME-S1	Revconnect Cat 6A Shielded Plug Metal	RevConnect Tool termination
90000006	Cat6A Field Terminable RJ45 Plug	Toolless RJ45 Field Terminable Plug
PATCH PANEL		
AX106504-AP	Cat6a 24 Port Patch Panel Shielded 1RU (unloaded)	Requires 24x RVAMJKSME-S1 Jacks(Belden Revconnect Tool Termination only) Or 24x AX104562 (Toolless Shielded Jacks)
PATCH PANEL ACCESSORIES		
AX105931	Rear Cable Manager for PP 1RU 19"	Lacing Bar
CABLEMNDR5R	5 Ring Cable Manager	
PATCH LEADS		
A7JSJSA602106****	Cat6A S/FTP Patch Leads LSZH Blue	See Patch leads part number matrix below
A7JSJSA6021^^*****	Cat6A S/FTP Patch Leads LSZH Colours	See Patch leads part number matrix below

TOOLS

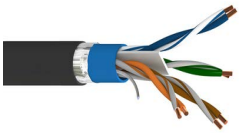
PART NUMBER	DESCRIPTION	JACKS REQUIRED / PRODUCT CODES
AX100749	Gigaflex Connecting Tool (110 Punchdown)	For use with All Jacks (excluding Revconnect) - Retail Range, Cat6+ etc.
AX105566	Rapid Termination Tool	Suitable for "Keyconnect" Jacks - AX101320 & AX101321
RVUTT01	Rev Connect Termination Tool (Inc. Cable Prep Tool)	Suitable for "RevConnect" Products (Shielded / Unshielded Jacks & Plugs)

PATCH LEADS PART NUMBER MATRIX

PART NUMBER	DESCRIPTION
CAT6	
RA6PC**M-BU	Cat6 Patch Leads LSZH Blue
C6541^^**M	Cat6 Patch Leads LSZH - Colours
CAT6A U/UTP - UNSHIELDED	
CA241060***	Cat6a UTP Patch Leads LSZH Blue
CAT6A F/UTP - SHIELDED	
A7JSJSA602106****	Cat6A S/FTP Patch Leads LSZH Blue
A7JSJSA6021^^*****	Cat6A S/FTP Patch Leads LSZH Colours
MAKE YOUR OWN PATCH LEADS	
RA6RJ	8P8C MODULAR PLUG FOR CAT 6 UTP (box of 50)
RA6BT	RJ45-PLUG BOOT FOR CAT 6 UTP (box of 50)
RA6CT	Deluxe Hand Modular Plug Crimping Tool

COMMENTS / PART NUMBER MATRIX				
	COLOUR^^		LENGTH**	
	CODE	COLOUR	CODE	LENGTH
Patch Leads are not usually included in the structured cabling warranty. Each length and colour option of Patch lead have their own code. Please see the matrix (right) and apply to the part numbers on this document,** Denotes length of lead required, ^^ Denotes Colour required (see below).	01	Brown	D5M	0.5mtr
	02	Red	01M	1mtr
	03	Orange	02M	2mtr
	04	Yellow	03M	3mtr
	05	Green	05M	5mtr
	06	Blue	10M	10mtr
	07	Purple	15M	15mtr
	08	Grey	20M	20mtr
	09	White	25M	25mtr
	00	Black	30M	30mtr
	10	Teal	50M	35mtr

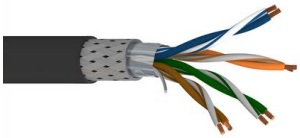
CATEGORY 6 INDUSTRIAL AND OUTDOOR CABLES



Belden Category 6 Industrial Ethernet Copper Cable offers Belden's patented Bonded-Pair technology for superior reliability and longer cable life even in harsh environments, DataTuff Cat6 cables are built to maximize uptime and performance. Available options include shielding, solid or stranded conductors,armoured and high temperature rating. Category 6 cables offer speeds up to 10 GBit.

PART NUMBER	DESCRIPTION	TYPE	JACKET	APPLICATION	NOM. CABLE OD (MM)	PACKAGE
7953A 0021000	4PR CAT6 F/UTP PVC 305M RED	F/UTP	DATATUFF® PVC	INDOOR/OUTDOOR, ABOVE GROUND, OIL RESISTANT	8.5	SPOOL
7953A 0061000	4PR CAT6 F/UTP PVC 305M BLUE	F/UTP	DATATUFF® PVC	INDOOR/OUTDOOR, ABOVE GROUND, OIL RESISTANT	8.5	SPOOL
7953A 0081000	4PR CAT6 F/UTP PVC 305M GREY	F/UTP	DATATUFF® PVC	INDOOR/OUTDOOR, ABOVE GROUND, OIL RESISTANT	8.5	SPOOL
7953A 0101000	4PR CAT6 F/UTP PVC 305M BLACK	F/UTP	DATATUFF® PVC	INDOOR/OUTDOOR, ABOVE GROUND, OIL RESISTANT	8.5	SPOOL
7953A 1NH1000	4PR CAT6 F/UTP PVC 305M TEAL	F/UTP	DATATUFF® PVC	INDOOR/OUTDOOR, ABOVE GROUND, OIL RESISTANT	8.5	SPOOL
7927A 0101000	4PR CAT6 UTP PVC 305M BLACK	UTP	DATATUFF® PVC	INDOOR/OUTDOOR, ABOVE GROUND, OIL RESISTANT	8.6 X 6.3	SPOOL

CATEGORY 5E CABLES



Belden DataTuff Category 5E Industrial Ethernet Copper Cable offers Belden's patented Bonded-Pair technology for superior reliability and longer cable life even in harsh environments.Available options include shielding, solid or stranded conductors,armoured and high temperature rating.Category 5E cables offer speeds up to1 GBit.Category 5E outdoor cables feature UV stabilized jackets for protection against sunlight damage. Depending on the application, additional protection including jelly filling and armouring are available.

PART NUMBER	DESCRIPTION	TYPE	JACKET	APPLICATION	NOM. CABLE OD (MM)	PACKAGE
7921A 0061000	4PR CAT5E SF/UTP OIL RES PVC 305M BLUE	S/UTP	PVC	INDOOR	8.4	SPOOL
7938A 0101000	4PR CAT5E SF/UTP HI FLEX TPE 305M BLACK	S/UTP - HIGH FLEX	TPE	INDOOR - CONTINUOUS FLEX	8.7	SPOOL
7918A 0061000	4PR CAT5E UTP OIL RES PVC 305M BLUE	UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	5.8	SPOOL
7918A 0101000	4PR CAT5E UTP OIL RES PVC 305M BLACK	UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	5.8	SPOOL
7919A 0061000	4PR CAT5E F/UTP OIL RES PVC 305M BLUE	F/UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	6.7	SPOOL
7919A 0101000	4PR CAT5E F/UTP OIL RES PVC 305M BLACK	F/UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	6.7	SPOOL
7918A 0101000	4PR CAT5E UTP OIL RES PVC 305M BLACK	UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	5.8	SPOOL
7919A 0061000	4PR CAT5E F/UTP OIL RES PVC 305M BLUE	F/UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	6.7	SPOOL
7919A 0101000	4PR CAT5E F/UTP OIL RES PVC 305M BLACK	F/UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	6.7	SPOOL
7932A 0021000	2PR CAT5E UTP OIL RES PVC 305M RED	UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	5.3	SPOOL
7932A 0101000	2PR CAT5E UTP OIL RES PVC 305M BLACK	UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	5.3	SPOOL
7932A 1NH1000	2PR CAT5E UTP OIL RES PVC 305M TEAL	UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	5.3	SPOOL
7933A 0101000	2PR CAT5E UTP OIL RES PVC 305M BLACK	UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	6	SPOOL
7933A 1NH1000	2PR CAT5E F/UTP OIL RES PVC 305M TEAL	F/UTP	PVC - SUNLIGHT & OIL RES	INDOOR/OUTDOOR	6	SPOOL
7937A 0101000	4PR CAT5E F/UTP JFILLED PE 305M BLACK	F/UTP - JELLY FILLED	PE	UNDERGROUND	7	SPOOL

DATATUFF®

INDUSTRIAL ETHERNET CABLE SELECTION GUIDE

PART NUMBER	CONDUCTOR		INSTALLATION		ENVIRONMENTAL										INDUSTRIAL GRADE JACKET		
	SOLID	STRANDED	INSTALLATION STRESS RESISTANCE*	PULL TENSION	OIL RES.	UV SUN RES.	WELD-SPLATTER RES.	CMX-OUTDOOR	DIRECT BURIAL	GAS RES.	LSZH	MSHA	HI/LOW TEMP.	600 V AWM	HEAVY	UPJACKET	ARMORED
CATEGORY 7 SHIELDED CABLE																	
74004E	•		80		•	•											
74004NH	•		80		•	•					•						
74005E		•	80		•	•											
74005NH		•	80		•	•					•						
74005PU		•	80		•	•					•						
CATEGORY 6 SHIELDED CABLE																	
7953A EtherNet/IP	•		•	40	•	•		•						•		•	
CATEGORY 6 UNSHIELDED CABLE																	
7940A EtherNet/IP	•		•	40	•	•		•							•		
7927A	•		•	45	•	•									•		
11872A	•		•	45											•	•	
121872A	•		•	200		•									•		•
7931A	•		•	40	•	•				•			•		•		
CATEGORY 5E SHIELDED CABLE																	
7929A	•		•	40	•	•		•				•			•		
7958A EtherNet/IP	•		•	35	•	•								•	•		
7919A	•		25		•	•		•				•			•		
7939A		•	•	40	•	•									•		
7921A EtherNet/IP	•		•	75	•	•		•							•		
7957A EtherNet/IP	•		•	75	•	•		•						•	•		
7937A	•		•	40	•	•			•							•	
7936A	•		•	40		•					•	•			•		
74001E	•		40		•	•											
74001NH	•		40		•	•					•						
74001PU	•		40		•	•											
74002E		•	30		•	•											
74002NH		•	30		•	•					•						
74002PU		•	30		•	•					•						
7938A HIGH FLEX		•	•	40	•	•	•									•	
74003PU HIGH FLEX TRAILING		•	30		•	•					•						
74009PU HIGH FLEX TORSION		•	30		•	•	•				•						

* Products with Bonded-Pair™ technology provide Installable Performance® advantages; refer to Belden's Bonded-Pair Cable Bulletin BP02.

DATA

RS-485 DATA CABLES

Belden Industrial RS-485 cables are designed with low capacitance to prevent data distortion or errors, ideal for long distance applications. RS-485 cabling is commonly used in the industrial sector for communications between various devices, controllers and PLC's.

PART NUMBER	DESCRIPTION	APPLICATION	NOM. CABLE OD (MM)	PACKAGE	TYPE	CONDUCTOR AWG	NO. OF PAIRS	INSULATION MATERIAL	JACKET MATERIAL
9841 0601000	1PR 24AWG RS485 PVC 305M CHROME	INTERNAL 120 OHM CABLE	5.9	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	24	1	PE	PVC
9842 0601000	2PR 24AWG RS485 PVC 305M CHROME	INTERNAL 120 OHM CABLE	8.6	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	24	2	PE	PVC
9843 0601000	3PR 24AWG RS485 PVC 305M CHROME	INTERNAL 120 OHM CABLE	9.1	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	24	3	PE	PVC
9844 0601000	4PR 24AWG RS485 PVC 305M CHROME	INTERNAL 120 OHM CABLE	9.9	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	24	4	PE	PVC
3105A 0101000	1PR 22AWG RS485 PVC 305M BLACK	INTERNAL 120 OHM CABLE	7.2	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	22	1	FOAM PE	PVC
3106A 0101000	1PR+1C 22AWG RS485 PVC 305M BLACK	INTERNAL 120 OHM CABLE	7.6	SPOOL	PAIRED CABLE - OVERALL FOIL SCREEN	22	1 + 1C	FOAM PE	PVC
3107A 0101000	2PR 22AWG RS485 PVC 305M BLACK	INTERNAL 120 OHM CABLE	9.0	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	22	2	FOAM PE	PVC
3105DB 0101000	1PR 22AWG RS485 PVC 305M BLACK	EXTERNAL 120 OHM CABLE	8.6	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	22	2	FOAM PE	CPE
3106DB 0101000	1PR+1C 22AWG RS485 PVC 305M BLACK	EXTERNAL 120 OHM CABLE	9.2	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	22	1 + 1C	FOAM PE	CPE
3107DB 0101000	2PR 22AWG RS485 PVC 305M BLACK	EXTERNAL 120 OHM CABLE	9.8	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	22	2	FOAM PE	CPE
3108DB 0101000	3PR 22AWG RS485 PVC 305M BLACK	EXTERNAL 120 OHM CABLE	10.4	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	22	3	FOAM PE	CPE
3109DB 0101000	4PR 22AWG RS485 PVC 305M BLACK	EXTERNAL 120 OHM CABLE	12.2	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	22	4	FOAM PE	CPE

RS-422 DATA CABLES

RS-422 screened twisted pair data cable was used for connecting data terminal equipment to computers before the advent of USB and wireless technology. It is now used in the security and industrial segments to connect sensors and monitors to controllers and PLC's.

PART NUMBER	DESCRIPTION	APPLICATION	NOM. CABLE OD (MM)	PACKAGE	TYPE	CONDUCTOR AWG	NO. OF PAIRS	INSULATION MATERIAL	JACKET MATERIAL
1419A 0601000	2PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	6.3	SPOOL	OVERALL FOIL SCREEN	24	2	FOAM PE	PVC
1420A 0601000	3PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	6.6	SPOOL	OVERALL FOIL SCREEN	24	3	FOAM PE	PVC
1421A 0601000	4PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	7.1	SPOOL	OVERALL FOIL SCREEN	24	4	FOAM PE	PVC
1423A 0601000	6PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	8.1	SPOOL	OVERALL FOIL SCREEN	24	6	FOAM PE	PVC
1424A 0601000	12PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	10.6	SPOOL	OVERALL FOIL SCREEN	24	12	FOAM PE	PVC
8102 0601000	2PR 24AWG BRAID FOIL PVC 305M CHROME	INTERNAL, HIGH NOISE REJECTION	6.9	SPOOL	OVERALL FOIL + BRAID SCREEN	24	2	FOAM PE	PVC
9829 0601000	2PR 24AWG BRAID FOIL PVC 305M CHROME	INTERNAL, HIGH NOISE REJECTION	7.3	SPOOL	OVERALL FOIL + BRAID SCREEN	24	2	PE	PVC
8164 0601000	4PR 24AWG BRAID FOIL PVC 305M CHROME	INTERNAL, HIGH NOISE REJECTION	9.9	SPOOL	IND & OA FOIL + OA BRAID SCREEN	24	4	FOAM PE	PVC

RS-232 DATA CABLES

Belden RS 232 is a standard protocol used for serial communication. RS-232 screened multi-conductor data cable was used to connect older style data terminal equipment such as keyboards, printers, modems and scanners to computers.

PART NUMBER	DESCRIPTION	APPLICATION	NOM. CABLE OD (MM)	PACKAGE	TYPE	CONDUCTOR AWG	NO. OF CORES	INSULATION MATERIAL	JACKET MATERIAL
MULTICORE RS-232 CABLES									
9533 0601000	3C 24AWG SCREENED PVC 305M CHROME	INTERNAL	4.1	SPOOL	MULTI CORE - OVERALL FOIL SCREEN	24	3	PVC	PVC
9533 060U1000	3C 24AWG SCREENED PVC 305M CHROME	INTERNAL	4.1	PULL BOX	MULTI CORE - OVERALL FOIL SCREEN	24	3	PVC	PVC
MULTICORE RS-232 CABLES									
9538 0601000	8C 24AWG SCREENED PVC 305M CHROME	INTERNAL	5.7	SPOOL	MULTI CORE - OVERALL FOIL SCREEN	24	8	PVC	PVC
9538 060U1000	8C 24AWG SCREENED PVC 305M CHROME	INTERNAL	5.7	PULL BOX	MULTI CORE - OVERALL FOIL SCREEN	24	8	PVC	PVC
9541 0601000	15C 24AWG SCREENED PVC 305M CHROME	INTERNAL	7.2	SPOOL	MULTI CORE - OVERALL FOIL SCREEN	24	15	PVC	PVC
9541 060U1000	15C 24AWG SCREENED PVC 305M CHROME	INTERNAL	7.2	PULL BOX	MULTI CORE - OVERALL FOIL SCREEN	24	15	PVC	PVC
9542 0601000	20C 24AWG SCREENED PVC 305M CHROME	INTERNAL	7.9	SPOOL	MULTI CORE - OVERALL FOIL SCREEN	24	20	PVC	PVC
PAIRED RS-232 DATA CABLES									
9501 0601000	1PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	4	SPOOL	PAIRED CABLE - OVERALL FOIL SCREEN	24	1	PVC	PVC
9501 060U1000	1PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	4	PULL BOX	PAIRED CABLE - OVERALL FOIL SCREEN	24	1	PVC	PVC
9502 0601000	2PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	5.6	SPOOL	PAIRED CABLE - OVERALL FOIL SCREEN	24	2	PVC	PVC
9502 060U1000	2PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	5.6	PULL BOX	PAIRED CABLE - OVERALL FOIL SCREEN	24	2	PVC	PVC
9503 0601000	3PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	5.9	SPOOL	PAIRED CABLE - OVERALL FOIL SCREEN	24	3	PVC	PVC
9503 060U1000	3PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	5.9	PULL BOX	PAIRED CABLE - OVERALL FOIL SCREEN	24	3	PVC	PVC
9504 0601000	4PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	6.7	SPOOL	PAIRED CABLE - OVERALL FOIL SCREEN	24	4	PVC	PVC
9504 060U1000	4PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	6.7	PULL BOX	PAIRED CABLE - OVERALL FOIL SCREEN	24	4	PVC	PVC
9506 0601000	6PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	7.3	SPOOL	PAIRED CABLE - OVERALL FOIL SCREEN	24	6	PVC	PVC
9506 060U1000	6PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	7.3	PULL BOX	PAIRED CABLE - OVERALL FOIL SCREEN	24	6	PVC	PVC
9510 0601000	10PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	9.3	SPOOL	PAIRED CABLE - OVERALL FOIL SCREEN	24	10	PVC	PVC
PAIRED RS-232 DATA CABLES									
9519 0601000	19PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	11.4	SPOOL	PAIRED CABLE - OVERALL FOIL SCREEN	24	19	PVC	PVC
9525 0601000	25PR 24AWG SCREENED PVC 305M CHROME	INTERNAL	12.8	SPOOL	PAIRED CABLE - OVERALL FOIL SCREEN	24	25	PVC	PVC
8340 0601000	10PR 24AWG BRAIDFOIL PVC 305M CHROME	INTERNAL - HIGH NOISE REJECTION	9.7	SPOOL	PAIRED CABLE - OVERALL FOIL + BRAID SCREEN	24	10	PVC	PVC

TWINAX

150 Ohm twinaxial cables are used in some proprietary communications systems such as Honeywell serial interface and GE Fanuc I/O bus.

PART NUMBER	DESCRIPTION	APPLICATION	NOM. CABLE OD (MM)	PACKAGE	TYPE	CONDUCTOR AWG	NO. OF PAIRS	INSULATION MATERIAL	JACKET MATERIAL
9182 0101000	TWINAX 22AWG SCREENED PVC 305M BLACK	TWINAX - INTERNAL	8.8	SPOOL	TWINAXIAL - OVERALL FOIL SCREEN	22	1	FOAM PE	PVC

CABLE

4K UHD COAXIAL CABLE

Belden 4K UHD Coax Cables for 12G-SDI maximize 4K signal transmission distance over a single coax, minimizing weight and space utilization compared to multi-link solutions.

PART NUMBER	DESCRIPTION	NOM. CABLE OD (MM)	PACKAGE	RG STYLE	SCREEN TYPE	CONDUCTOR AWG	CONDUCTOR STRANDING	INSULATION MATERIAL	JACKET MATERIAL
4855R 0101000	4K UHD COAX FOR 12G-SDI , 75 OHM	4.0	SPOOL	MINI RG-59	FOIL + TC BRAID	23	SOLID	PE	PVC
4505R 0101000	4K UHD COAX FOR 12G-SDI , 75 OHM	5.9	SPOOL	RG-59	FOIL + TC BRAID	20	SOLID	PE	PVC
4694R 0101000	4K UHD COAX FOR 12G-SDI , 75 OHM	7.0	SPOOL	RG-6	FOIL + TC BRAID	18	SOLID	PE	PVC
4794R 0101000	4K UHD COAX FOR 12G-SDI , 75 OHM	8.1	SPOOL	SERIES 7	FOIL + TC BRAID + FOIL (TRI SHIELD)	16	SOLID	PE	PVC
4731R 010100	4K UHD COAX FOR 12G-SDI , 75 OHM	10.2	SPOOL	RG-11	FOIL + TC BRAID + FOIL (TRI SHIELD)	14	SOLID	PE	PVC

50 OHM RF & RADIO GRADE COAXIAL CABLES

Belden 50 Ohm coaxial cables are used for connecting point-to-point and point-to-multipoint wireless antenna communication; Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification)

PART NUMBER	DESCRIPTION	NOM. CABLE OD (MM)	PACKAGE	RG STYLE	SCREEN TYPE	CONDUCTOR AWG	CONDUCTOR STRANDING	INSULATION MATERIAL	JACKET MATERIAL
8267 0101000	COAX STRD 50 OHM PVC 305M BLACK	10.3	SPOOL	RG- 213	SINGLE SCREEN - BC BRAID	13	7/0.72 MM	SOLID PE	PVC
8259 0101000	COAX STRD RG58A/U PVC 305M BLACK	4.9	SPOOL	RG-58	SINGLE SCREEN - TACW BRAID	20	19/0.18 MM	SOLID PE	PVC
8259 010U1000	COAX STRD RG58A/U PVC 305M BLACK	4.9	PULL BOX	RG-58	SINGLE SCREEN - TACW BRAID	20	19/0.18 MM	SOLID PE	PVC
9913 0101000	COAX SOL RG8 DUALSHLD PVC 305M BLACK	10.3	SPOOL	RG-8	DUAL SCREEN -AL FOIL + TACW BRAID	10	SOLID	SEMI-SOLID PE	PVC
9913F7 B591000	COAX STRD RG8 DUALSHLD PVC 305M BLACK	10.3	SPOOL	RG-8	DUAL SCREEN -AL FOIL + TACW BRAID	10	7/0.91 MM	GAS INJECTED FHDPE	PVC
9913 010100	COAX SOL RG8 DUALSHLD PVC 30.5M BLACK	10.3	SPOOL	RG-8	DUAL SCREEN -AL FOIL + TACW BRAID	10	SOLID	SEMI-SOLID PE	PVC
7806A 0101000	COAX SOL RG58 DUALSHLD PE 305M BLACK	4.95	SPOOL	RG 58	DUAL SCREEN -AL FOIL + TACW BRAID	19	SOLID	GAS INJECTED FHDPE	PE

75 OHM VIDEO AND BROADCAST CABLES

Belden 75 Ohm coaxial cables are used for transmitting video signals. This type of coaxial can be used for connecting antenna to transmitting or receiving equipment, or for connecting video recording equipment to cameras or monitors. Belden 75 Ohm coaxial suitable in Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas.

PART NUMBER	DESCRIPTION	APPLICATION	NOM. CABLE OD (MM)	PACKAGE	RG STYLE	SCREEN TYPE	CONDUCTOR AWG	CONDUCTOR STRANDING	INSULATION MATERIAL	JACKET MATERIAL
1617A 0101000	COAX CCS RG11 QUADSHLD PVC 305M BLACK	CATV, MATV AND FREE-TO- AIR TV	10.3	SPOOL	RG-11	QUAD AL SCREEN-FOIL/ BRAID/FOIL/ BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
1618A 0031000	COAX CCS RG11 QUADSHLD PE 305M ORANGE	CATV, MATV AND FREE-TO- AIR TV	10.3	SPOOL	RG-11	QUAD AL SCREEN-FOIL/ BRAID/FOIL/ BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PE
1618A 0101000	COAX CCS RG11 QUADSHLD PE 305M BLACK	CATV, MATV AND FREE-TO- AIR TV	10.3	SPOOL	RG-11	QUAD AL SCREEN-FOIL/ BRAID/FOIL/ BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PE
7731A 0011000	COAX SOL RG11 DUALSHLD PVC 305M BROWN	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
7731A 0021000	COAX SOL RG11 DUALSHLD PVC 305M RED	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
7731A 0031000	COAX SOL RG11 DUALSHLD PVC 305M ORANGE	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
7731A 0041000	COAX SOL RG11 DUALSHLD PVC 305M YELLOW	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
7731A 0061000	COAX SOL RG11 DUALSHLD PVC 305M BLUE	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
7731A 0071000	COAX SOL RG11 DUALSHLD PVC 305M VIOLET	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
7731A 0081000	COAX SOL RG11 DUALSHLD PVC 305M GREY	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
7731A 0091000	COAX SOL RG11 DUALSHLD PVC 305M WHITE	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
7731A 0101000	COAX SOL RG11 DUALSHLD PVC 305M BLACK	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
7731A N3U1000	COAX SOL RG11 DUALSHLD PVC 305M GREEN	BROADCAST, HD VIDEO	10.1	SPOOL	RG-11	DUAL SCREEN - AL FOIL + TACW BRAID	14	1/1.63 MM	GAS INJECTED HDPE	PVC
8233 0101000	TRIAX SOL RG11 PE 305M BLACK	OUTDOOR VIDEO, CCTV AND SECURITY	12.1	SPOOL	RG-11/U - TRIAX VERSION	2 X BC BRAIDS	14	1/ 1.63 MM	GAS INJECTED HDPE	PE
1189AP 8771000	COAX CCS RG6 QUADSHLD PVC 305M NATURAL	CATV AND FREE-TO-AIR TV. PLENUM RATED	6.3	SPOOL	RG-6	QUAD SCREEN - AL FOILS + AL BRAIDS	18	1/1.0 MM	FOAMED FEP	PVC - FLAMARREST ®
1190A 0031000	COAX CCS RG6 QUADSHLD PE 305M ORANGE	CATV AND FREE-TO-AIR TV. WATER BLOCKED	7.6	SPOOL	RG-6	QUAD SCREEN - AL FOILS + AL BRAIDS	18	1/1.0 MM	GAS INJECTED FPE	PE
1190A 0101000	COAX CCS RG6 QUADSHLD PE 305M BLACK	CATV AND FREE-TO-AIR TV. WATER BLOCKED	7.6	SPOOL	RG-6	QUAD SCREEN - AL FOILS + AL BRAIDS	18	1/1.0 MM	GAS INJECTED FPE	PE
5339X5 0101000	COAX SOL RG6 H2O BLOCK PVC 305M BLACK	OUTDOOR VIDEO, CCTV AND SECURITY	7.1	SPOOL	RG-6	SINGLE SCREEN - BC BRAID	18	1/1.0 MM	GAS INJECTED FPE	PVC
1694A 0011000	COAX SOL RG6 DUALSHLD PVC 305M BROWN	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED HDPE	PVC
1694A 0021000	COAX SOL RG6 DUALSHLD PVC 305M RED	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED HDPE	PVC
1694A 0031000	COAX SOL RG6 DUALSHLD PVC 305M ORANGE	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED HDPE	PVC
1694A 0041000	COAX SOL RG6 DUALSHLD PVC 305M YELLOWLLOW	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED HDPE	PVC
1694A 0061000	COAX SOL RG6 DUALSHLD PVC 305M BLUE	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED HDPE	PVC
1694A 0071000	COAX SOL RG6 DUALSHLD PVC 305M VIOLET	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED HDPE	PVC

75 OHM VIDEO AND BROADCAST CABLES

PART NUMBER	DESCRIPTION	APPLICATION	NOM. CABLE OD (MM)	PACKAGE	RG STYLE	SCREEN TYPE	CONDUCTOR AWG	CONDUCTOR STRANDING	INSULATION MATERIAL	JACKET MATERIAL
1694A 0075000	COAX SOL RG6 DUALSHLD PVC 1525M VIOLET	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED FHDPE	PVC
1694A 0081000	COAX SOL RG6 DUALSHLD PVC 305M GREY	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED FHDPE	PVC
1694A 0091000	COAX SOL RG6 DUALSHLD PVC 305M WHITEITE	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED FHDPE	PVC
1694A 0101000	COAX SOL RG6 DUALSHLD PVC 305M BLACK	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED FHDPE	PVC
1694A N3U1000	COAX SOL RG6 DUALSHLD PVC 305M GREEN	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED FHDPE	PVC
1694F B591000	COAX STRND RG6 DUALSHLD PVC 305M BLACK	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	19	7/0.36 MM	GAS INJECTED FHDPE	PVC
1694F G7V1000	COAX STRND RG6 DUALSHLD PVC 305M RED	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	19	7/0.36 MM	GAS INJECTED FHDPE	PVC
1694F G7W1000	COAX STRND RG6 DUALSHLD PVC 305M GREEN	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	19	7/0.36 MM	GAS INJECTED FHDPE	PVC
1694F G7X1000	COAX STRND RG6 DUALSHLD PVC 305M BLUE	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	19	7/0.36 MM	GAS INJECTED FHDPE	PVC
1694F G7Y1000	COAX STRND RG6 DUALSHLD PVC 305M WHITE	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	19	7/0.36 MM	GAS INJECTED FHDPE	PVC
1694F G8L1000	COAX STRND RG6 DUALSHLD PVC 305M ORANGE	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	19	7/0.36 MM	GAS INJECTED FHDPE	PVC
1694F G8M1000	COAX STRND RG6 DUALSHLD PVC 305M YELLOW	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	19	7/0.36 MM	GAS INJECTED FHDPE	PVC
1694F Z4B1000	COAX STRND RG6 DUALSHLD PVC 305M VIOLET	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	19	7/0.36 MM	GAS INJECTED FHDPE	PVC
1694SB 0101000	COAX SOL RG6 DUALSHLD LSZH 305M BLACK	BROADCAST, HD VIDEO. SHIPBOARD APPROVED	7	SPOOL	RG-6	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED FHDPE	LSZH
1694WB 0101000	DIGITAL COAX RG6 WATERBLOCKED	BROADCAST, HD VIDEO	7	SPOOL	RG-6/U	DUAL SCREEN-AL FOIL +TACW BRAID	18	1/1.0MM	GAS INJECTED FHDPE	PE
7712A B591000	COMPOSITE 5 X 1694A PVC 305M BLACK	BROADCAST, HD VIDEO	24.6	SPOOL	5 CORE RG-6/U WITH OA JACKET	DUAL SCREEN - AL FOIL + TACW BRAID	18	1/1.0 MM	GAS INJECTED FHDPE	PVC
1505A 0011000	COAX SOL RG59 DUALSHLD PVC 305M BROWN	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505A 0021000	COAX SOL RG59 DUALSHLD PVC 305M RED	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505A 0031000	COAX SOL RG59 DUALSHLD PVC 305M ORANGE	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505A 0041000	COAX SOL RG59 DUALSHLD PVC 305M YELLOW	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505A 0061000	COAX SOL RG59 DUALSHLD PVC 305M BLUE	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505A 0071000	COAX SOL RG59 DUALSHLD PVC 305M VIOLET	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505A 0081000	COAX SOL RG59 DUALSHLD PVC 305M GREY	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505A 0091000	COAX SOL RG59 DUALSHLD PVC 305M WHITE	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505A 0095000	COAX SOL RG59 DUALSHLD PVC 1525M WHITE	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505A 0101000	COAX SOL RG59 DUALSHLD PVC 305M BLACK	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC

75 OHM VIDEO AND BROADCAST CABLES

PART NUMBER	DESCRIPTION	APPLICATION	NOM. CABLE OD (MM)	PACKAGE	RG STYLE	SCREEN TYPE	CONDUCTOR AWG	CONDUCTOR STRANDING	INSULATION MATERIAL	JACKET MATERIAL
1505A N3U1000	COAX SOL RG59 DUALSHLD PVC 305M GREEN	BROADCAST, HD VIDEO	5.9	SPOOL	RG59/U	DUAL SCREEN - AL FOIL + TACW BRAID	20	1/0.81 MM	GAS INJECTED FHDPE	PVC
1505F 0041000	COAX STRND RG59 DUAL SHLD PVC 305M YELLOW	BROADCAST, HD VIDEO	6.1	SPOOL	RG59/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	22	7/0.29 MM	GAS INJECTED FHDPE	PVC
1505F B591000	COAX STRND RG59 DUAL SHLD PVC 305M BLACK	BROADCAST, HD VIDEO	6.1	SPOOL	RG59/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	22	7/0.29 MM	GAS INJECTED FHDPE	PVC
1505F G7V1000	COAX STRND RG59 DUAL SHLD PVC 305M RED	BROADCAST, HD VIDEO	6.1	SPOOL	RG59/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	22	7/0.29 MM	GAS INJECTED FHDPE	PVC
1505F G7W1000	COAX STRND RG59 DUAL SHLD PVC 305M GREEN	BROADCAST, HD VIDEO	6.1	SPOOL	RG59/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	22	7/0.29 MM	GAS INJECTED FHDPE	PVC
1505F G7X1000	COAX STRND RG59 DUAL SHLD PVC 305M BLUE	BROADCAST, HD VIDEO	6.1	SPOOL	RG59/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	22	7/0.29 MM	GAS INJECTED FHDPE	PVC
1505F G7Y1000	COAX STRND RG59 DUAL SHLD PVC 305M WHITE	BROADCAST, HD VIDEO	6.1	SPOOL	RG59/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	22	7/0.29 MM	GAS INJECTED FHDPE	PVC
1505F G8L1000	COAX STRND RG59 DUAL SHLD PVC 305M ORANGE	BROADCAST, HD VIDEO	6.1	SPOOL	RG59/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	22	7/0.29 MM	GAS INJECTED FHDPE	PVC
1505F Z4B1000	COAX STRND RG59 DUAL SHLD PVC 305M VIOLET	BROADCAST, HD VIDEO	6.1	SPOOL	RG59/U - FLEXIBLE	DUAL SCREEN - 2 X TACW BRAIDS	22	7/0.29 MM	GAS INJECTED FHDPE	PVC
1855A 0011000	COAX SOL 75 OHM DUALSHLD PVC 305M BROWN	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
1855A 0021000	COAX SOL 75 OHM DUALSHLD PVC 305M RED	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
1855A 0031000	COAX SOL 75 OHM DUALSHLD PVC 305M ORANGE	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
1855A 0041000	COAX SOL 75 OHM DUALSHLD PVC 305M YELLOW	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
1855A 0061000	COAX SOL 75 OHM DUALSHLD PVC 305M BLUE	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
1855A 0071000	COAX SOL 75 OHM DUALSHLD PVC 305M VIOLET	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
1855A 0081000	COAX SOL 75 OHM DUALSHLD PVC 305M GREY	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
1855A 0091000	COAX SOL 75 OHM DUALSHLD PVC 305M WHITE	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
1855A 0101000	COAX SOL 75 OHM DUALSHLD PVC 305M BLACK	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
1855A N3U1000	COAX SOL 75 OHM DUALSHLD PVC 305M GREEN	BROADCAST, HD VIDEO	4	SPOOL	SUB-MINIATURE RG-59/U	DUAL SCREEN - AL FOIL + TACW BRAID	23	1/0.58 MM	GAS INJECTED FHDPE	PVC
543945 0091000	COAX SOL RG59 PVC 305M WHITE	VIDEO, CCTV, MATV AND SECURITY	5.9	SPOOL	RG-59	SINGLE SCREEN - BC BRAID	20	1/0.81 MM	GAS INJECTED FPE	PVC
543945 009U1000	COAX SOL RG59 PVC 305M WHITE	VIDEO, CCTV, MATV AND SECURITY	5.9	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	20	1/0.81 MM	GAS INJECTED FPE	PVC
543945 0101000	COAX SOL RG59 PVC 305M BLACK	VIDEO, CCTV, MATV AND SECURITY	5.9	SPOOL	RG-59	SINGLE SCREEN - BC BRAID	20	1/0.81 MM	GAS INJECTED FPE	PVC
543945 010U1000	COAX SOL RG59 PVC 305M BLACK	VIDEO, CCTV, MATV AND SECURITY	5.9	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	20	1/0.81 MM	GAS INJECTED FPE	PVC
5439X5 0101000	COAX SOL RG59 H2O BLOCK PVC 305M BLACK	OUTDOOR VIDEO, CCTV, MATV AND SECURITY	6.2	SPOOL	RG-59	SINGLE SCREEN - BC BRAID	20	1/0.81 MM	GAS INJECTED FPE	WATER RESISTANCE TAPE UNDER PVC
8232 0101000	TRIAX SOL RG59 PE 305M BLACK	OUTDOOR VIDEO, CCTV, MATV AND SECURITY	8	SPOOL	RG-59/U -TRIAX VERSION	2 X BC BRAIDS	20	1/ 0.81 MM	GAS INJECTED FHDPE	PE
8232 0102000	TRIAX SOL RG59 PE 610M BLACK	OUTDOOR VIDEO, CCTV, MATV AND SECURITY	8	SPOOL	RG-59/U -TRIAX VERSION	2 X BC BRAIDS	20	1/ 0.81 MM	GAS INJECTED FHDPE	PE
8232A 0101000	TRIAX SOL RG59 PVC 305M BLACK	OUTDOOR VIDEO, CCTV, MATV AND SECURITY	8	SPOOL	RG-59/U -TRIAX VERSION	2 X BC BRAIDS	20	1/ 0.81 MM	GAS INJECTED FHDPE	PVC

75 OHM VIDEO AND BROADCAST CABLES

PART NUMBER	DESCRIPTION	APPLICATION	NOM. CABLE OD (MM)	PACKAGE	RG STYLE	SCREEN TYPE	CONDUCTOR AWG	CONDUCTOR STRANDING	INSULATION MATERIAL	JACKET MATERIAL
8241 002U1000	COAX CCS 75 OHM PVC 305M RED	CATV AND FREE-TO- AIR TV	6.1	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241 003U1000	COAX CCS 75 OHM PVC 305M ORANGE	CATV AND FREE-TO- AIR TV	6.1	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241 004U1000	COAX CCS 75 OHM PVC 305M YELLOW	CATV AND FREE-TO- AIR TV	6.1	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241 005U1000	COAX CCS 75 OHM PVC 305M GREEN	CATV AND FREE-TO- AIR TV	6.1	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241 006U1000	COAX CCS 75 OHM PVC 305M BLUE	CATV AND FREE-TO- AIR TV	6.1	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241 009U1000	COAX CCS 75 OHM PVC 305M WHITE	CATV AND FREE-TO- AIR TV	6.1	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241 0101000	COAX CCS 75 OHM PVC 305M BLACK	CATV AND FREE-TO- AIR TV	6.1	SPOOL	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241 010U1000	COAX CCS 75 OHM PVC 305M BLACK	CATV AND FREE-TO- AIR TV	6.1	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241B 0101000	COAX SOL 75 OHM PVC 305M BLACK	VIDEO, CCTV, MATV AND SECURITY	6.1	SPOOL	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241B 010U1000	COAX SOL 75 OHM PVC 305M BLACK	VIDEO, CCTV, MATV AND SECURITY	6.1	PULL BOX	RG-59	SINGLE SCREEN - BC BRAID	23	1/0.58 MM	PE	PVC
8241F G7V1000	COAX STRND 75 OHM PVC 305M RED	VIDEO, CCTV, MATV AND SECURITY	6.1	SPOOL	RG-59 - FLEXIBLE	SINGLE SCREEN - BC BRAID	22	7/0.25 MM	FOAM PE	PVC
8241F G7W1000	COAX STRND 75 OHM PVC 305M GREEN	VIDEO, CCTV, MATV AND SECURITY	6.1	SPOOL	RG-59 - FLEXIBLE	SINGLE SCREEN - BC BRAID	22	7/0.25 MM	FOAM PE	PVC
8241F G7X1000	COAX STRND 75 OHM PVC 305M BLUE	VIDEO, CCTV, MATV AND SECURITY	6.1	SPOOL	RG-59 - FLEXIBLE	SINGLE SCREEN - BC BRAID	22	7/0.25 MM	FOAM PE	PVC
8241F G7Y1000	COAX STRND 75 OHM PVC 305M WHITE	VIDEO, CCTV, MATV AND SECURITY	6.1	SPOOL	RG-59 - FLEXIBLE	SINGLE SCREEN - BC BRAID	22	7/0.25 MM	FOAM PE	PVC
8241F G8M1000	COAX STRND 75 OHM PVC 305M YELLOW	VIDEO, CCTV, MATV AND SECURITY	6.1	SPOOL	RG-59 - FLEXIBLE	SINGLE SCREEN - BC BRAID	22	7/0.25 MM	FOAM PE	PVC
8241F J5C1000	COAX STRND 75 OHM PVC 305M BLACK	VIDEO, CCTV, MATV AND SECURITY	6.1	SPOOL	RG-59 - FLEXIBLE	SINGLE SCREEN - BC BRAID	22	7/0.25 MM	FOAM PE	PVC
8241F U901000	COAX STRND 75 OHM PVC 305M GREY	VIDEO, CCTV, MATV AND SECURITY	6.1	SPOOL	RG-59 - FLEXIBLE	SINGLE SCREEN - BC BRAID	22	7/0.25 MM	FOAM PE	PVC

MICROPHONE CABLE

Belden microphone cable designed as a hanging microphone cable with higher rigidity for a more stable positioning. This allows hanging microphones to stay in the direction they're originally placed to capture the audio properly. Low-impedance microphone cables available in twin and quad core constructions. Belden microphone cable suitable for deployable microphone for studio or live performance.

PART NUMBER	DESCRIPTION	NO. OF CONDUCTORS	CONDUCTOR AWG	INSULATION MATERIAL	NOM. CABLE OD (MM)	COLOUR	PACKAGE
1192A B591000	MIC CABLE STAR QUAD, 4 WIRE 24AWG BLACK	4	24	POLYETHYLENE	6.22	BLACK	305M
8412 0101000	MIC CABLE 2 WIRE, 20AWG BLACK	2	20	EPDM RUBBER	6.65	BLACK	305M
1812A B591000	MIC CABLE 2 CORE, 24AWG BLACK	2	24	PVC	5.41	BLACK	305M

AUDIO AND SPEAKER CABLES

Belden offers audio and speaker cables for a wide range of applications, including plenum, indoor/outdoor, halogen-free, direct burial, Class 1, and commercial and professional installations. Belden offer digital or analog audio cables for recording studios,radio and television stations or any multi-channel audio application.

PART NUMBER	DESCRIPTION	NO. OF CONDUCTORS	CONDUCTOR AWG	INSULATION MATERIAL	NOM. CABLE OD (MM)	COLOUR	PACKAGE
8471 0601000	AUDIO CABLE 2 CORE 16AWG, 1.3MM CHROME	2	16	PVC	6.96	CHROME	305M
8473 0601000	AUDIO CABLE 2 CORE 14AWG, 2.08MM CHROME	2	14	PVC	8.64	CHROME	305M
8477 0601000	AUDIO CABLE 2 CORE 12AWG, 2.30MM CHROME	2	12	PVC	9.8	CHROME	305M
1503A 010U1000	AUDIO CABLE 1 PR 22AWG PVC BLACK	2	22	PVC	3.6	BLACK	305M
1504A J77U1000	AUDIO CABLE 2PR BONDED 22AWG SCREENED	4	22	PVC	3.63 X 7.26	BLACK	305M
1509C B591000	AUDIO SNAKE 2PR 24AWG SCREENED	2	24	POLYOLEFIN	7.64	BLACK	305M
1510C B591000	AUDIO SNAKE 4PR 24AWG IND SCREENED	4	24	POLYOLEFIN	8.94	BLACK	305M
1512C B591000	AUDIO SNAKE 8PR 24AWG IND SCREENED	8	24	POLYOLEFIN	11.48	BLACK	305M
1513C B591000	AUDIO SNAKE 12PR 24AWG IND SCREENED	12	24	POLYOLEFIN	14.25	BLACK	305M
1800B 0071000	AUDIO CABLE DIGITAL 1PR 24AWG VIOLET	1	24	DATALENE	4.70	VIOLET	305M
1800B T5X1000	AUDIO CABLE DIGITAL 1PR 24AWG BLACK	1	24	DATALENE	4.70	BLACK	305M
1800F B591000	AUDIO CABLE DIGITAL 1PR 24AWG BLACK FLEXIBLE	1	24	DATALENE	5.35	BLACK	305M
1803F Z4B1000	AUDIO CABLE DIGITAL 4PR 24AWG VIOLET	4	24	POLYETHYLENE	12.39	VIOLET	305M
9180 0601000	AUDIO CABLE DIGITAL 1PR 26AWG CHROME	1	26	DATALENE	3.66	CHROME	305M
9180 Z4B1000	AUDIO CABLE DIGITAL 1PR 26AWG VIOLET	1	26	DATALENE	3.66	VIOLET	305M
1411R 0101000	AUDIO SNAKE 12PR, IND. SCREENED	12	24	POLYPROPYLENE	14.1	BLACK	305M
1502R 0101000	BELDEN AXLINK CABLE, 1PR 22AWG, 1 PR 18AWG	1	22	HDFPE/ PVC	6.35	BLACK	305M

INDUSTRIAL BUS CABLES

Industrial bus cables are designed to connect sensors and monitors to PLC's and control networks according to the application standard being implemented. Bus systems allow for less cabling than traditional analog control systems.

PART NUMBER	DESCRIPTION	CONSTRUCTION	APPLICATION	NO. OF PAIRS	AWG	CONDUCTOR MATERIAL	OUTER JACKET MATERIAL	CABLE OD (MM)
9463 0011000	1PR 20 AWG OA SCREEN PVC 305M BROWN	OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PVC	6.1
9463 00110000	1PR 20 AWG OA SCREEN PVC 3050M BROWN	OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PVC	6.1
9463 0031000	1PR 20 AWG OA SCREEN PVC 305M ORANGE	OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PVC	6.1
9463 00310000	1PR 20 AWG OA SCREEN PVC 3050M ORANGE	OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PVC	6.1
9463 0071000	1PR 20 AWG OA SCREEN PVC 305M VIOLET	OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PVC	6.1
9463 J221000	1PR 20 AWG OA SCREEN PVC 305M BLUE	OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PVC	6.1
9463 J22U1000	1PR 20 AWG OA SCREEN PVC 305MB BLUE	OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PVC	6.1
9463DB S8Y1000	1PR 20 AWG OA SCREEN LDPE 305M BLUE	OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PE	6.1
9463F J221000	1PR 20 AWG OA SCREEN PVC 305M BLUE	OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PVC	6.2
139463 J221000	1PR 20 AWG OA SCRNARMOUR PVC 305M BLUE	INTERLOCK ARMOURED OVERALL FOIL + BRAID SCREEN	BLUE HOSE ®	1	20	TACW	PVC	14.3
3092A 0021000	COAX RG6 QUAD PVC 305M RED	QUAD SHIELDED COAX	CONTROLNET ™	COAX	18	BCCS	PVC	7.6
3092A 0101000	COAX RG6 QUAD PVC 305M BLACK	QUAD SHIELDED COAX	CONTROLNET ™	COAX	18	BCCS	PVC	7.6
3092A X7E1000	COAX RG6 QUAD PVC 305M BLUE	QUAD SHIELDED COAX	CONTROLNET ™	COAX	18	BCCS	PVC	7.6
3093A 0101000	COAX RG6 QUAD FEP 305M BLACK	QUAD SHIELDED COAX	CONTROLNET ™	COAX	18	BCCS	PVC	7
3093A X7E1000	COAX RG6 QUAD FEP 305M BLUE	QUAD SHIELDED COAX	CONTROLNET ™	COAX	18	BCCS	PVC	7
3094A F2V1000	COAX RG11 QUAD PVC 305M GREY	QUAD SHIELDED COAX	CONTROLNET ™	COAX	14	BCCS	PVC	10.3
123092A 0101000	COAX RG6 QUAD ARMOURED PVC 305M BLACK	INTERLOCK ARMOURED QUAD SHIELDED COAX	CONTROLNET ™	COAX	18	BCCS	PVC	15
123092A J221000	COAX RG6 QUAD ARMOURED PVC 305M BLUE	INTERLOCK ARMOURED QUAD SHIELDED COAX	CONTROLNET ™	COAX	18	BCCS	PVC	15
3092F 0101000	COAX RG6 QUAD PVC 305M BLACK	QUAD SHIELDED COAX	CONTROLNET ™ AND CONTROLBUS ™	COAX	20	BC	PVC	7.7
3079A 0071000	1PR 22AWG OA SCREEN PVC305 M VIOLET	OVERALL FOIL + BRAID SCREEN	PROFIBUS DP	1	22	BC	PVC	8
3079A 0601000	1PR 22AWG OA SCREEN PVC 305M CHROME	OVERALL FOIL + BRAID SCREEN	PROFIBUS DP	1	22	BC	PVC	8
3079E B021000	1PR 22AWG OA SCREEN PVC 305M PURPLE	OVERALL FOIL + BRAID SCREEN	PROFIBUS DP	1	22	BC	PVC	8
1334A 0031000	1PR 18AWG OA SCREEN PVC 305M ORANGE	OVERALL FOIL + BRAID SCREEN	DATABUS®ISA/SP- 50, FOUNDATION FIELDBUS OR PROFIBUS PA	1	18	TACW	OIL RESISTANT PVC	7.3
3076F 0031000	1PR 18AWG OA SCREEN PVC 1000M ORANGE	OVERAL FOIL SCREEN	DATABUS®ISA/SP- 50, FOUNDATION FIELDBUS OR PROFIBUS PA	1	18	TACW	PVC	7.1
3076F 0061000	1PR 18AWG OA SCREEN PVC 305M BLUE	OVERAL FOIL SCREEN	DATABUS®ISA/SP- 50, FOUNDATION FIELDBUS OR PROFIBUS PA	1	18	TACW	PVC	7.1
3072F C551000	TWINAX 18AWG OA SCREEN PVC 305M BLUE	OVERAL FOIL + BRAID SCREEN TWINAXIAL	DATATRAY® TWINAXIAL	1	18	TACW	PVC	8.2
3083A 5601000	1PR15 & 1PR18AWG IND/ OA CPE 305M GREY	INDIVIDUAL FOIL SCREEN + OVERALL BRAID SCREEN	DEVICEBUS® FOR ODVA DEVICENET ™	2	15 & 18	TACW	CPE	12.1
3084A 0021000	1PR22 & 1PR24AWG IND/ OA PVC 305M RED	INDIVIDUAL FOIL SCREEN + OVERALL BRAID SCREEN	DEVICEBUS® FOR ODVA DEVICENET ™	2	22 & 24	TACW	OIL RESISTANT PVC	7.1
3084A T5U1000	1PR22 & 1PR24AWG IND/ OA PVC 305M GREY	INDIVIDUAL FOIL SCREEN + OVERALL BRAID SCREEN	DEVICEBUS® FOR ODVA DEVICENET ™	2	22 & 24	TACW	OIL RESISTANT PVC	7.1
3084F T5U1000	1PR22 & 1PR24AWG IND/ OA PVC 305M GREY	INDIVIDUAL FOIL SCREEN + OVERALL BRAID SCREEN	DEVICEBUS® FOR ODVA DEVICENET ™	2	22 & 24	TACW	OIL RESISTANT PVC	7

INSTRUMENTATION

OVERALL SCREENED INSTRUMENTATION CABLES

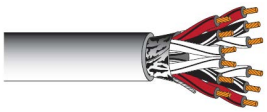
Instrumentation and control cables are used to connect sensors and equipment to monitors and control panels. Overall screening provides moderate protection from induced noise and interference. Where extra physical protection is required, Steel Wire Armoured (SWA) versions are available. Blue jackets for intrinsically safe applications available upon request.

PART NUMBER	NO. OF PAIRS	DESCRIPTION	CONSTRUCTION	OUTER JACKET MATERIAL	DRUM SIZE	CUT
7/0.30MM (0.5MM) OVERALL FOIL SCREENED						
BOAP05U01R BKC1	1 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP05U01R BKA5	1 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP05U02R BKA5	2 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP05U02R BKC1	2 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP05U03R BKA5	3 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP05U03R BKC1	3 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP05U04R BKA5	4 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP05U04R BKC1	4 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP05U06R BKA5	6 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP05U06R BKC1	6 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP05U08R BKB1	8 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	1000m	YES
BOAP05U10R BKA5	10 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP05U12R BKA5	12 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP05U16R BKA5	16 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP05U20RBKA5	20 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP05U24RBKA5	24 pr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
7/0.40MM (0.88MM) OVERALL FOIL SCREENED						
BOAP10U01R BKA5	1 pr	1.0mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP10U01R BKC1	1 pr	1.0mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	NO
BOAP10U02R BKA5	2 pr	1.0mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP10U02R BKC1	2 pr	1.0mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
7/0.50MM (1.5MM) OVERALL FOIL SCREENED						
BOAP15U01R BKA5	1 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP15U01R BKC1	1 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP15U02R BKA5	2 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP15U02R BKC1	2 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP15U03R BKA5	3 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP15U03R BKC1	3 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP15U04R BKA5	4 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP15U04R BKC1	4 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP15U06R BKA5	6 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP15U06R BKC1	6 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	100m	NO
BOAP15U08R BKB1	8 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	1000m	YES
BOAP15U10R BKA5	10 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP15U12R BKA5	12 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP15U16R BKA5	16 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP15U20R BKA5	20 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAP15U24R BKA5	24 pr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES

INDIVIDUAL & OVERALL SCREENED INSTRUMENTATION CABLES

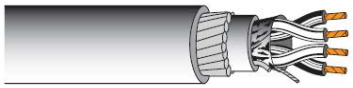
PART NUMBER	NO. OF PAIRS	DESCRIPTION	CONSTRUCTION	OUTER JACKET MATERIAL	DRUM SIZE	CUT
7/0.30MM (0.5MM) INDIVIDUAL & OVERALL FOIL SCREENED						
BIOP05U02RBKC1	2 pr	0.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	LSZH	100m	NO
BIOP05U02RBKA5	2 pr	0.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	500m	YES
BIOP05U04RBKB1	4 pr	0.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	1000m	YES
BIOP05U04RBKC1	4 pr	0.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	100m	NO
BIOP05U06RBKB1	6 pr	0.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	1000m	YES
BIOP05U06RBKC1	6 pr	0.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	100m	YNO
BIOP05U10RBKA5	10 pr	0.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	500m	YES
7/0.50MM (1.5MM) INDIVIDUAL & OVERALL FOIL SCREENED						
BIOP15U02RBKC1	2 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	100m	NO
BIOP15U02RBKA5	2 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	500m	YES
BIOP15U04RBKC1	4 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	100m	NO
BOAP15U04RBKA5	4 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	500m	YES
BIOP15U04RBKB1	4 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	1000m	YES
BIOP15U06RBKC1	6 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	100m	NO
BOAP15U06RBKA5	6 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	500m	YES
BIOP15U06RBKB1	6 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	1000m	YES
BOAP15U08RBKB1	8 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	1000m	YES
BIOP15U10RBKB1	10 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	100m	NO
BIOP15U12RBKB1	12 pr	1.5mm2 PVC I&O/A SCN PVC BK 110/150v	Individual and Overall Foil Screen	PVC	1000m	YES

OVERALL SCREENED INSTRUMENTATION TRIAD CABLES



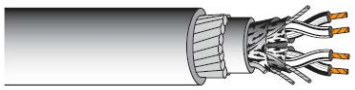
PART NUMBER	NO. OF PAIRS	DESCRIPTION	CONSTRUCTION	OUTER JACKET MATERIAL	DRUM SIZE	CUT
7/0.30MM (0.5MM) OVERALL FOIL SCREENED						
BOAT05U01RBKA5	1 Tr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAT05U01RBKA5	1 Tr	0.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
7/0.50MM (1.5MM) OVERALL FOIL SCREENED						
BOAT15U01RBKA5	1 Tr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES
BOAT15U06RBKB1	6 Tr	1.5mm2 PVC O/A SCN PVC BK 110/150v	Overall Foil Screen	PVC	500m	YES

OVERALL SCREENED INSTRUMENTATION SWA CABLES



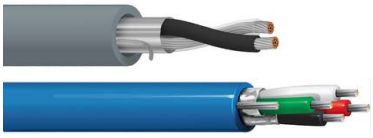
PART NUMBER	NO. OF PAIRS	DESCRIPTION	CONSTRUCTION	OUTER JACKET MATERIAL	DRUM SIZE	CUT
7/0.30MM (0.5MM) OVERALL FOIL SCREENED SWA						
BOAP05S01LBKB1	1 pr	0.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP05S02LBKB1	2 pr	0.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
7/0.50MM (1.5MM) OVERALL FOIL SCREENED SWA						
BOAP15S01LBKB1	1 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S01LBKB1	1 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S02LBKB1	2 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S02LBKB1	2 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S04LBKB1	4 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S04LBKB1	4 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S06LBKB1	6 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S06LBKB1	6 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S10LBKB1	10 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S12LBKB1	12 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S12LBKB1	12 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BOAP15S24LBKB1	24 pr	1.5mm2 XLPE O/A SCN SWA LSZH BK 110/150v	Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES

INDIVIDUAL & OVERALL SCREENED INSTRUMENTATION SWA CABLES



PART NUMBER	NO. OF PAIRS	DESCRIPTION	CONSTRUCTION	OUTER JACKET MATERIAL	DRUM SIZE	CUT
7/0.30MM (0.5MM) INDIVIDUAL & OVERALL FOIL SCREENED SWA						
BIOP05S02LBKB1	2 pr	0.5mm2 XLPE I&O/A SCN SWA LSZH BK 110/150v	Individual and Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BIOP05S02LBKB1	2 pr	0.5mm2 XLPE I&O/A SCN SWA LSZH BK 110/150v	Individual and Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BIOP05S04LBKB1	4 pr	0.5mm2 XLPE I&O/A SCN SWA LSZH BK 110/150v	Individual and Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BIOP05S04LBKB1	4 pr	0.5mm2 XLPE I&O/A SCN SWA LSZH BK 110/150v	Individual and Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
7/0.50MM (1.5MM) INDIVIDUAL & OVERALL FOIL SCREENED						
BIOP15S02LBKB1	2 pr	1.5mm2 XLPE I&O/A SCN SWA LSZH BK 110/150v	Individual and Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES
BIOP15S04LBKB1	4 pr	1.5mm2 XLPE I&O/A SCN SWA LSZH BK 110/150v	Individual and Overall Foil Screen SWA	Low Smoke Zero Halogen	1000m	YES

BELDEN CLASSICS INSTRUMENTATION AWG CABLES



Belden Classic products are manufactured in a wide variety of gauge (AWG) sizes, insulation materials, shielding configurations, and jacketing materials, including Plenum and High-temperature versions. These Multi-conductor and Paired products offer best-in-class performance and reliability in many different systems.

PART NUMBER	DESCRIPTION	NO. OF PAIRS	CROSS SECTIONAL AREA	NOM. CABLE OD (MM)	PACK SIZE (M)	APPLICATION	PACKAGE
AWG STYLE TWINS - 300V UL							
8451 01010000	1PR 22 AWG OA SCREEN PVC 3050M BLACK	1	22	3.5	3048	INDOOR	SPOOL
8451 0081000	1PR 22 AWG OA SCREEN PVC 305M GREY	1	22	3.5	305	INDOOR	SPOOL
8451 008U1000	1PR 22 AWG OA SCREEN PVC 1000M GREY	1	22	3.5	305	INDOOR	SPOOL
8451 0101000	1PR 22 AWG OA SCREEN PVC 305M BLACK	1	22	3.5	305	INDOOR	SPOOL
8451 010U1000	1PR 22 AWG OA SCREEN PVC 305M BLACK	1	22	3.5	305	INDOOR	PULL BOX
8761 0601000	1PR 22AWG OA SCREEN PVC 305M CHROME	1	22	4.4	305	INDOOR	SPOOL
8761 060U1000	1PR 22AWG OA SCREEN PVC 305M CHROME	1	22	4.4	305	INDOOR	PULL BOX
9302 0601000	2PR 22AWG OA SCREEN PVC 305M CHROME	2	22	6.2	305	INDOOR	SPOOL
9302 060U1000	2PR 22AWG OA SCREEN PVC 305M CHROME	2	22	6.2	305	INDOOR	PULL BOX
8762 0601000	1PR 20AWG OA SCREEN PVC 305M CHROME	1	20	5.2	305	INDOOR	SPOOL
8762 060U1000	1PR 20AWG OA SCREEN PVC 305M CHROME	1	20	5.2	305	INDOOR	PULL BOX

PART NUMBER	DESCRIPTION	NO. OF PAIRS	CROSS SECTIONAL AREA	NOM. CABLE OD (MM)	PACK SIZE (M)	APPLICATION	PACKAGE
AWG STYLE TWINS - 300V UL							
8760 0601000	1PR 18AWG OA SCREEN PVC 305M CHROME	1	18	5.6	305	INDOOR	SPOOL
8760 060U1000	1PR 18AWG OA SCREEN PVC 305M CHROME	1	18	5.6	305	INDOOR	PULL BOX
9460 060U1000	1PR 18AWG OA SCREEN PVC 305M CHROME	1	18	5.8	305	INDOOR	PULL BOX
8719 0601000	1PR 16AWG OA SCREEN PVC 305M CHROME	1	16	8	305	INDOOR	SPOOL
8719 060U1000	1PR 16AWG OA SCREEN PVC 305M CHROME	1	16	8	305	INDOOR	PULL BOX
8719 06010000	1PR 16AWG OA SCREEN PVC 3050M CHROME	1	16	8	3048	INDOOR	SPOOL
8720 0601000	1PR 14 AWG OA SCREEN PVC 305M CHROME	1	14	9	305	INDOOR	SPOOL

PART NUMBER	DESCRIPTION	NO. OF TRIADS	AWG	NOM. CABLE OD (MM)	PACK SIZE (M)	APPLICATION	PACKAGE
AWG STYLE TRIADS - 300V UL							
8772 0601000	3C 20AWG OA SCREEN PVC 305M CHROME	1	20	5.5	305	INDOOR	SPOOL
8772 060U1000	3C 20AWG OA SCREEN PVC 305M CHROME	1	20	5.5	305	INDOOR	PULL BOX
8771 0601000	3C 22AWG OA SCREEN PVC 305M CHROME	1	22	5.1	305	INDOOR	SPOOL
8771 060U1000	3C 22AWG OA SCREEN PVC 305M CHROME	1	22	5.1	305	INDOOR	PULL BOX

PART NUMBER	DESCRIPTION	NO. OF PAIRS	CROSS SECTIONAL AREA	NOM. CABLE OD (MM)	PACK SIZE (M)	APPLICATION	PACKAGE
AWG STYLE TWINS - 300V UL							
9368 0601000	2PR 18AWG IND SCREEN PVC 305M CHROME	2	18	9.6	305	HIGH NOISE REJECTION	SPOOL
8723 0601000	2PR 22AWG IND SCREEN PVC 305M CHROME	2	22	4.1	305	HIGH NOISE REJECTION	SPOOL
AWG STYLE TWINS - 300V UL							
8723 060U1000	2PR 22AWG IND SCREEN PVC 305M CHROME	2	22	4.1	305	HIGH NOISE REJECTION	PULL BOX
8723NH 0601000	2PR 22AWG IND SCREEN LSZH 305M CHROME	2	22	4.1	305	HIGH NOISE REJECTION - LSZH	SPOOL
8723NH.00305	2PR 22AWG IND SCREEN LSZH 305M CHROME	2	22	4.1	305	HIGH NOISE REJECTION - LSZH	SPOOL
8777 0601000	3PR 22AWG IND SCREEN PVC 305M CHROME	3	22	6.9	305	HIGH NOISE REJECTION	SPOOL
8777 060U1000	3PR 22AWG IND SCREEN PVC 305M CHROME	3	22	6.9	305	HIGH NOISE REJECTION	PULL BOX

SECURITY & SOUND

TWIN CORE CABLE

Belden twin core cable suitable for Alarm, Siren,Bells,Fire Alarm and other security applications to central controller or to interconnect the parts of an intercom system. They may also be used as speaker cables for public address and background music.

PART NUMBER	DESCRIPTION	CONDUCTOR STRANDING	JACKET	TYPE	OUTER DIMENSIONS (MM)	CONDUCTOR AREA (MM2)	COLOUR	PACK	APPLICATION
5100UE 0021000	2C 14AWG SPEAKER/ SIREN PVC 305M RED	14AWG	PVC	DOUBLE INSULATED	5.5	305	RED	SPOOL	SIRENS, SPEAKERS AND PA
5100UE 0081000	2C 14AWG SPEAKER/ SIREN PVC 305M GREY	14AWG	PVC	DOUBLE INSULATED	5.5	305	GREY	SPOOL	SIRENS, SPEAKERS AND PA
5100UE 008U1000	2C 14AWG SPEAKER/ SIREN PVC 305M GREY	14AWG	PVC	DOUBLE INSULATED	5.5	305	GREY	PULL BOX	SIRENS, SPEAKERS AND PA
5100UE 0101000	2C 14AWG SPEAKER/ SIREN PVC 305M RED	14AWG	PVC	DOUBLE INSULATED	5.5	305	RED	SPOOL	SIRENS, SPEAKERS AND PA
5300UE 001U1000	2C 18AWG SPEAKER/ SIREN PVC 305M BROWN	18AWG	PVC	DOUBLE INSULATED	4	305	BROWN	PULL BOX	SIRENS, SPEAKERS AND PA
5300UE 005U1000	2C 18AWG SPEAKER/ SIREN PVC 305M GREEN	18AWG	PVC	DOUBLE INSULATED	4	305	GREEN	PULL BOX	SIRENS, SPEAKERS AND PA
5300UE 0081000	2C 18AWG SPEAKER/ SIREN PVC 305M GREY	18AWG	PVC	DOUBLE INSULATED	4	305	GREY	SPOOL	SIRENS, SPEAKERS AND PA
5300UE 008U1000	2C 18AWG SPEAKER/ SIREN PVC 305M GREY	18AWG	PVC	DOUBLE INSULATED	4	305	GREY	PULL BOX	SIRENS, SPEAKERS AND PA
5300UE 0091000	2C 18AWG SPEAKER/ SIREN PVC 305M WHITE	18AWG	PVC	DOUBLE INSULATED	4	305	WHITE	SPOOL	SIRENS, SPEAKERS AND PA
5300UE 009U1000	2C 18AWG SPEAKER/ SIREN PVC 305M WHITE	18AWG	PVC	DOUBLE INSULATED	4	305	WHITE	PULL BOX	SIRENS, SPEAKERS AND PA
5300UE 0101000	2C 18AWG SPEAKER/ SIREN PVC 305M BLACK	18AWG	PVC	DOUBLE INSULATED	4	305	BLACK	SPOOL	SIRENS, SPEAKERS AND PA
5300UE 010U1000	2C 18AWG SPEAKER/ SIREN PVC 305M BLACK	18AWG	PVC	DOUBLE INSULATED	4	305	BLACK	PULL BOX	SIRENS, SPEAKERS AND PA
5500UE 005U1000	2C 22AWG SPEAKER/ SIREN PVC 305M GREEN	22AWG	PVC	DOUBLE INSULATED	3.1	305	GREEN	PULL BOX	SIRENS, SPEAKERS AND PA
5500UE 0081000	2C 18AWG SPEAKER/ SIREN PVC 305M GREY	18AWG	PVC	DOUBLE INSULATED	3.1	305	GREY	SPOOL	SIRENS, SPEAKERS AND PA
5500UE 008U1000	2C 18AWG SPEAKER/ SIREN PVC 305M GREY	18AWG	PVC	DOUBLE INSULATED	3.1	305	GREY	PULL BOX	SIRENS, SPEAKERS AND PA
5T00UP 0081000	2C 10AWG SPEAKER/ SIREN PVC 305M GREY	10AWG	PVC	DOUBLE INSULATED	9	305	GREY	SPOOL	SIRENS, SPEAKERS AND PA
5T00UP 0101000	2C 10AWG SPEAKER/ SIREN PVC 305M BLACK	10AWG	PVC	DOUBLE INSULATED	9	305	BLACK	SPOOL	SIRENS, SPEAKERS AND PA

MULTICORE & MULTIPAIR SECURITY CABLES

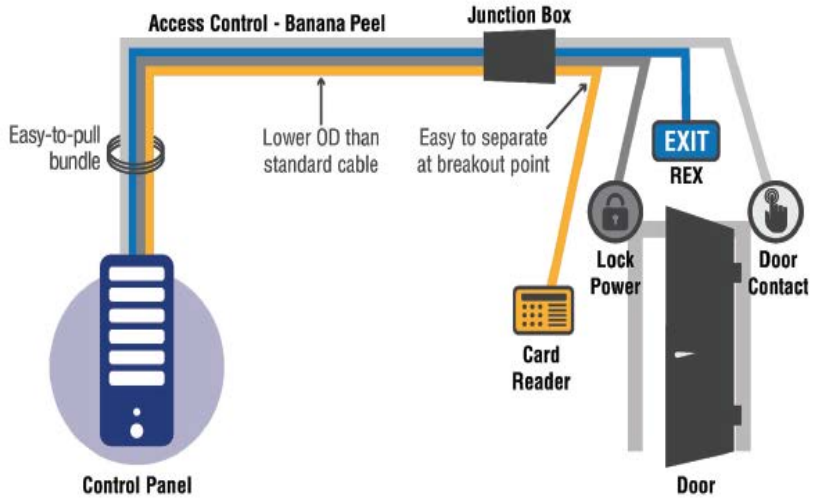
Belden multicore & multipair security cables are most economical and suitable for Computer Interconnect, Alarm, Fire Alarm and other security applications. Where interference is a concern, screened cables may be used.

PART NUMBER	DESCRIPTION	CONDUCTOR STRANDING	NO. OF CORES	CABLE DIAMETER (MM)	TYPE	JACKET	LENGTH (M)	COLOUR	PACKAGE
5140U1 0101000	1P 14AWG UGROUNDSECURITY PVC 305M BLACK	14 AWG	1P	8	WATER BLOCKED UNSCREENED	PVC	305	BLACK	SPOOL
5102U1 0021000	4C 14AWG IN/OUT SECURITY PVC 305M RED	14 AWG	4	9	WATER BLOCKED UNSCREENED	PVC	305	RED	SPOOL
5102U1 0101000	4C 14AWG IN/OUT SECURITY PVC 305M BLACK	14 AWG	4	9	WATER BLOCKED UNSCREENED	PVC	305	BLACK	SPOOL
5240U1 0101000	1P 16AWG UGROUNDSECURITY PVC 305M BLACK	16 AWG	1P	6.4	WATER BLOCKED UNSCREENED	PVC	305	BLACK	SPOOL
5202UE 0081000	4C 16AWG SECURITY PVC 305M GREY	16 AWG	4	5.3	UNSCREENED	PVC	305	GREY	SPOOL
5202UE 009U1000	4C 16AWG SECURITY PVC 305M WHITE	16 AWG	4	5.3	UNSCREENED	PVC	305	WHITE	PULL BOX
5202UE 010U1000	4C 16AWG SECURITY PVC 305M BLACK	16 AWG	4	5.3	UNSCREENED	PVC	305	BLACK	PULL BOX
5300U1 0081000	2C 18AWG IN/OUT SECURITY PVC 305M GREY	18 AWG	2	5.5	WATER BLOCKED UNSCREENED	PVC	305	GREY	SPOOL
5300U1 008U1000	2C 18AWG IN/OUT SECURITY PVC305M GREY	18 AWG	2	5.5	WATER BLOCKED UNSCREENED	PVC	305	GREY	PULL BOX
5300U1 0101000	2C 18AWG IN/OUT SECURITY PVC 305M BLACK	18 AWG	2	5.5	WATER BLOCKED UNSCREENED	PVC	305	BLACK	SPOOL
5303FE 0081000	5C 18AWG SCREENED PVC 305M GREY	18 AWG	5	5.2	SCREENED	PVC	305	GREY	SPOOL
5303FE 008U1000	5C 18AWG SCREENED PVC 305M GREY	18 AWG	5	5.2	SCREENED	PVC	305	GREY	PULL BOX
5502G1 0081000	1P+2C 22AWG IN/OUT CABLE PVC 305M GREY	22 AWG	1P + 2	5.2	1 SCREENED PAIR + 2 CORE	PVC	305	GREY	SPOOL
5500F1 0081000	2C 22AWG UGROUNDSECURITY PVC 305M GREY	22 AWG	2	5	WATER BLOCKED SCREENED	PVC	305	GREY	SPOOL
5500F1 0101000	2C 22AWG UGROUNDSECURITY PVC 305M BLACK	22 AWG	2	5	WATER BLOCKED SCREENED	PVC	305	BLACK	SPOOL

ACCESS CONTROL CABLES

Belden patented Banana Peel construction affixes the individual cables to a center spline, eliminating the need for an overall jacket. The individual cable components are color coded by application and have the application printed on jackets, all jackets have a rip cords for easy removal. Access control cables are used to monitor, open and close gates, doors and booms. Composite access control cables allow for a single run from the controller to the door thereby saving installation costs and simplifying cable routing.

PART NUMBER	DESCRIPTION	SUB UNIT	NO. OF CORES	CONDUCTOR SIZE	SHEILDING	JACKET	APPLICATION	CABLE DIAMETER (MM)
558GMS 000 1000	4C18 + 4C22 + 6C22SHLD + 4C22 BANANAPEEL® 305M	4C18	4	18 AWG	NONE	PVC	LOCK POWER	10.8
		4C22	4	22 AWG	NONE	PVC	REX/SPARE	
		6C22	6	22 AWG	OVERALL	PVC	CARD READER	
		4C22	4	22 AWG	NONE	PVC	DOOR CONTACT	
558AFS 000 1000	4C18SHLD + 4C22SHLD + 3PR22SHLD + 2C22SHLD BANANAPEEL® 305M	4C18	4	18 AWG	OVERALL	PVC	LOCK POWER	11.4
		4C22	4	22 AWG	OVERALL	PVC	REX/SPARE	
		3PR22	3P	22 AWG	OVERALL	PVC	CARD READER	
		2C22	2	22 AWG	OVERALL	PVC	DOOR CONTACT	



PANEL FLEX

PANEL FLEX CABLES

Belden Panel Flex products are manufactured using LSZH materials and are offered in a variety of sizes and designs to meet rigid industry specifications. Our products can be used in a wealth of applications including interconnection circuits, internal wiring of computer and data processing equipment, appliances, lighting, motor leads, heating and cooling equipment, and harness fabrication.

PART NUMBER	DESCRIPTION	CONSTRUCTION	JACKET MATERIAL	COLOUR	DRUM SIZE
0.5MM2 FLEX					
SH00050BE100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	100m
SH00050BK100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	100m
SH00050BN100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Brown	100m
SH00050EA100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	100m
SH00050GY100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grey	100m
SH00050OE100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Oeange	100m
SH00050PK100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Pink	100m
SH00050RD100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	100m
SH00050VT100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Violet	100m
SH00050WE100	0.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	White	100m
0.75MM2 FLEX					
SH00075BE100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	100m
SH00075BK100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	100m
SH00075BK500	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	500m
SH00075BN100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Brown	100m
SH00075BW100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black/White	100m
SH00075EA100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grren/Yellow	100m
SH00075GY100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grey	100m
SH00075LB100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Light Blue	100m
SH00075OE100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Orange	100m
SH00075OR100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Orange/Red	100m
SH00075PK100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Pink	100m
SH00075RD100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	100m
SH00075RD500	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	500m
SH00075VT100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Violet	100m
SH00075WE100	0.75mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	White	100m
1.0MM2 FLEX					
SH00100BE100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	100m
SH00100BE500	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	500m
SH00100BK100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	100m
SH00100BK500	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	500m
SH00100BN100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Brown	100m
SH00100EA100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	100m
SH00100EA500	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	500m
SH00100GY100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grey	100m
SH00100GY500	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grey	500m
SH00100OE100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Orange	100m
SH00100PK100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Pink	100m
SH00100RD100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	100m
SH00100RD500	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	500m
SH00100VT100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Violet	100m
SH00100WE100	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	White	100m

PANEL FLEX CABLES

PART NUMBER	DESCRIPTION	CONSTRUCTION	JACKET MATERIAL	COLOUR	DRUM SIZE
SH00100WE500	1.0mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	White	500m
1.5MM2 FLEX					
SH00150BE100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	100m
SH00150BE500	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	500m
SH00150BK100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	100m
SH00150BK500	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	500m
SH00150BN100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Brown	100m
SH00150BW100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Balck/White	100m
SH00150EA100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	100m
SH00150EA500	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	500m
SH00150GN100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	100m
SH00150GY100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grey	100m
SH00150GY500	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grey	500m
SH00150LB100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Light Blue	100m
SH00150OE100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Orange	100m
SH00150OR100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Orange/Red	100m
SH00150PK100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Pink	100m
SH00150RD100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	100m
SH00150RD500	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	500m
SH00150VT100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Violet	100m
SH00150WE100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	White	100m
SH00150WE500	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	White	500m
SH00150YW100	1.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Yellow	100m
2.5MM2 FLEX					
SH00250BE100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	100m
SH00250BE500	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	500m
SH00250BK100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	100m
SH00250BK500	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	500m
SH00250BN100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Brown	100m
SH00250BW100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black/White	100m
SH00250EA100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	100m
SH00250EA500	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	500m
SH00250GY100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grey	100m
SH00250LB100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Light Blue	500m
SH00250OE100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Orange	100m
SH00250PK100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Pink	100m
SH00250RD100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	100m
SH00250RD500	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	500m
SH00250VT100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Violet	100m
SH00250WE100	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	White	100m

PANEL FLEX CABLES

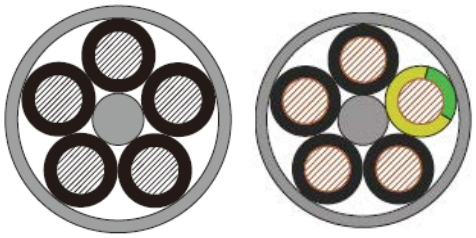
PART NUMBER	DESCRIPTION	CONSTRUCTION	JACKET MATERIAL	COLOUR	DRUM SIZE
SH00250WE500	2.5mm2 Flex	Tinned Copper 0.6/1KV HF125	XLP	White	500m
4.0M2 FLEX					
SH00400BE100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	100m
SH00400BK100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	100m
SH00400BN100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Brown	100m
SH00400EA100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	100m
SH00400GY100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grey	100m
SH00400OE100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Orange	100m
SH00400PK100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Pink	100m
SH00400RD100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	100m
SH00400VT100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Violet	100m
SH00400WE100	4.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	White	100m
6.0M2 FLEX					
SH00600BE100	6.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Blue	100m
SH00600BK100	6.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Black	100m
SH00600BN100	6.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Brown	100m
SH00600EA100	6.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Green/Yellow	100m
SH00600GY100	6.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Grey	100m
SH00600OE100	6.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Orange	100m
SH00600PK100	6.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Pink	100m
SH00600RD100	6.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Red	100m
SH00600VT100	6.0m2 Flex	Tinned Copper 0.6/1KV HF125	XLP	Violet	100m

MACHFLEX 350 YY UNSHIELDED PVC CONTROL CABLES

Unshielded PVC Control Cables

APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.



GENERAL REFERENCE STANDARDS

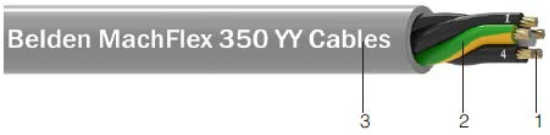
- DIN VDE 0295, IEC 60228, BS6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1, DIN EN 50525-2-51
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS, REACH & CE Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Color	Insulation Material & Colour PVC (polyvinyl chloride). A) All black color with number coding = without protective conductor. B) Black color with number coding plus 1 green & yellow = with protective conductor.
3.	Jacket / Sheath Material	PVC (polyvinyl chloride)
4.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
5.	Voltage Rating (Uo/U)	Up to 1.5 mm2: 300 / 500 V From 2.5 mm2: 450 / 750 V
6.	Oil Resistant	DIN EN 50290-2-22 (TM54)
7.	Temperature Range	-30 °C TO +70 °C (Occasional movement) -40 °C TO +80 °C (Fixed installation)
8.	Bending Radius	10 x OD (Occasional movement) 4 x OD (Fixed installation)
9.	Other Properties	Good UV resistance, chemical resistance & flexibility

- *Varies depending on the construction of the cable
- Putup length & tolerance of the cables will vary depending on the construction of the cable
- MOQ will vary depending on the construction of the cable & provided at the time of quotation
- Cable requested outside the above design criteria can be reviewed and quoted

Unshielded Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.9	3G0.5	3G0.5
4	5.3	4G0.5	4G0.5
5	5.9	5G0.5	5G0.5
7	6.4	7G0.5	7G0.5
12	8.6	12G0.5	12G0.5
20	10.8	20G0.5	20G0.5

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.4	3G0.75	3G0.75
4	5.9	4G0.75	4G0.75
5	6.5	5G0.75	5G0.75
7	7.2	7G0.75	7G0.75
12	9.6	12G0.75	12G0.75
20	12.1	20G0.75	20G0.75

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.8	3G0.75	3G0.75
4	6.4	4G0.75	4G0.75
5	7.1	5G0.75	5G0.75
7	7.8	7G0.75	7G0.75
12	10.5	12G0.75	12G0.75
20	13.2	20G0.75	20G0.75

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.4	3G1.5	3G1.5
4	7.0	4G1.5	4G1.5
5	7.8	5G1.5	5G1.5
7	8.5	7G1.5	7G1.5
12	11.5	12G1.5	12G1.5
20	14.5	20G1.5	20G1.5

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.3	3G2.5	3G2.5
4	9.2	4G2.5	4G2.5
5	10.1	5G2.5	5G2.5
7	11.2	7G2.5	7G2.5
12	15.2	12G2.5	12G2.5
20	19.2	20G2.5	20G2.5

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.8	3G4	3G4
4	10.9	4G4	4G4
5	12.0	5G4	5G4
7	13.3	7G4	7G4
9	16.6	9G4	9G4
12	18.1	12G4	12G4

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.8	3G6	3G6
4	13.1	4G6	4G6
5	14.5	5G6	5G6
7	16.0	7G6	7G6
9	20.1	9G6	9G6

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.8	3G10	3G10
4	16.5	4G10	4G10
5	18.3	5G10	5G10
7	20.3	7G10	7G10
9	25.5	9G10	9G10

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	18.1	3G16	3G16
4	20.2	4G16	4G16
5	22.4	5G16	5G16
7	24.8	7G16	7G16

CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.3	3G25	3G25
4	24.9	4G25	4G25
5	27.7	5G25	5G25
7	30.6	7G25	7G25

MACHFLEX 350 YY UNSHIELDED PVC CONTROL CABLES

Unshielded Cable Without (G) Protective Ground

1 = Conductor
2 = Insulation
3 = Inner Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.9	3X0.5	3X0.5
4	5.3	4X0.5	4X0.5
5	5.9	5X0.5	5X0.5
7	6.4	7X0.5	7X0.5
12	8.6	12X0.5	12X0.5
20	10.8	20X0.5	20X0.5

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.4	3X0.75	3X0.75
4	5.9	4X0.75	4X0.75
5	6.5	5X0.75	5X0.75
7	7.2	7X0.75	7X0.75
12	9.6	12X0.75	12X0.75
20	12.1	20X0.75	20X0.75

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.8	3X1.0	3X1.0
4	6.4	4X1.0	4X1.0
5	7.1	5X1.0	5X1.0
7	7.8	7X1.0	7X1.0
12	10.5	12X1.0	12X1.0
20	13.2	20X1.0	20X1.0

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.4	3X1.5	3X1.5
4	7.0	4X1.5	4X1.5
5	7.8	5X1.5	5X1.5
7	8.5	7X1.5	7X1.5
12	11.5	12X1.5	12X1.5
20	14.5	20X1.5	20X1.5

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.3	3X2.5	3X2.5
4	9.2	4X2.5	4X2.5
5	10.1	5X2.5	5X2.5
7	11.2	7X2.5	7X2.5
12	15.2	12X2.5	12X2.5
20	19.2	20X2.5	20X2.5

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.8	3X4	3X4
4	10.9	4X4	4X4
5	12.0	5X4	5X4
7	13.3	7X4	7X4
9	16.6	9X4	9X4
12	18.1	12X4	12X4

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.8	3X6	3X6
4	13.1	4X6	4X6
5	14.5	5X6	5X6
7	16.0	7X6	7X6
9	20.1	9X6	9X6

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.8	3X10	3X10
4	16.5	4X10	4X10
5	18.3	5X10	5X10
7	20.3	7X10	7X10
9	25.5	9X10	9X10

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	18.1	3X16	3X16
4	20.2	4X16	4X16
5	22.4	5X16	5X16
7	24.8	7X16	7X16

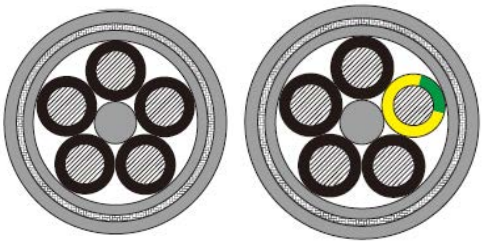
CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.3	3X25	3X25
4	24.9	4X25	4X25
5	27.7	5X25	5X25
7	30.6	7X25	7X25

MACHFLEX 350 CY CABLES

Shielded (CY) PVC Control Cables

Tinned Copper Braid Shield (TCB) - Excellent Noise Immunity



APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.

GENERAL REFERENCE STANDARDS

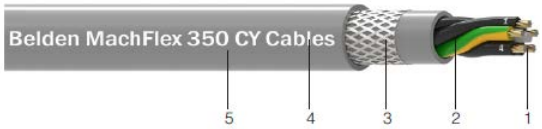
- DIN VDE 0295, IEC 60228, BS6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- DIN EN 50525-2-51
- RoHS, REACH & CE Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Color	Insulation Material & Color PVC (polyvinyl chloride). A) All black color with number coding = without protective conductor. B) Black color with number coding plus 1 green & yellow = with protective conductor.
3.	Braid Shield Material	Tinned Copper Braid Shield
4.	Jacket / Sheath Material	PVC (polyvinyl chloride)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	300 / 500 V
7.	Oil Resistant	DIN EN 50290-2-22 (TM54)
8.	Temperature Range	-30 °C TO +70 °C (Occasional movement) -40 °C TO +80 °C (Fixed installation)
9.	Bending Radius	20 x OD (Occasional movement) 6 x OD (Fixed installation)
10.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX 350 CY SHIELDED (CY) PVC CONTROL CABLES

Tinned Copper Braid Shielded Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Tinned Copper Braid Shielded
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.2	3G0.5	3G0.5CY
4	7.7	4G0.5	4G0.5CY
5	8.3	5G0.5	5G0.5CY
7	9.1	7G0.5	7G0.5CY
12	11.4	12G0.5	12G0.5CY
20	13.7	20G0.5	20G0.5CY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.7	3G0.75	3G0.75CY
4	8.3	4G0.75	4G0.75CY
5	9.2	5G0.75	5G0.75CY
7	9.9	7G0.75	7G0.75CY
12	12.4	12G0.75	12G0.75CY
20	15.0	20G0.75	20G0.75CY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.2	3G1.0	3G1.0CY
4	9.1	4G1.0	4G1.0CY
5	9.8	5G1.0	5G1.0CY
7	10.5	7G1.0	7G1.0CY
12	13.3	12G1.0	12G1.0CY
20	16.1	20G1.0	20G1.0CY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.0	3G1.5	3G1.5CY
4	9.7	4G1.5	4G1.5CY
5	10.5	5G1.5	5G1.5CY
7	11.3	7G1.5	7G1.5CY
12	14.4	12G1.5	12G1.5CY
20	17.5	20G1.5	20G1.5CY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.0	3G2.5	3G2.5CY
4	11.9	4G2.5	4G2.5CY
5	12.9	5G2.5	5G2.5CY
7	14.0	7G2.5	7G2.5CY
12	18.2	12G2.5	12G2.5CY
20	22.7	20G2.5	20G2.5CY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.6	3G4	3G4CY
4	13.7	4G4	4G4CY
5	14.9	5G4	5G4CY
7	16.2	7G4	7G4CY
9	20.0	9G4	9G4CY
12	21.5	12G4	12G4CY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.6	3G6	3G6CY
4	16.0	4G6	4G6CY
5	17.5	5G6	5G6CY
7	19.1	7G6	7G6CY
9	23.6	9G6	9G6CY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.8	3G10	3G10CY
4	19.8	4G10	4G10CY
5	21.7	5G10	5G10CY
7	23.8	7G10	7G10CY
9	29.2	9G10	9G10CY

CONDUCTOR 16.00 MM2

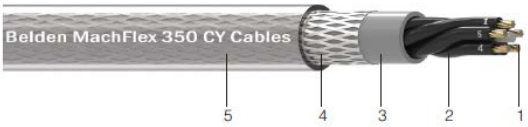
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	21.5	3G16	3G16CY
4	23.6	4G16	4G16CY
5	26.0	5G16	5G16CY
7	28.5	7G16	7G16CY

CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	25.9	3G25	3G25CY
4	28.6	4G25	4G25CY
5	31.5	5G25	5G25CY
7	34.2	7G25	7G25CY

MACHFLEX 350 CY SHIELDED (CY) PVC CONTROL CABLES

Tinned Copper Braid Shielded Cable Without (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Tinned Copper Braid Shielded
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.2	3X0.5	3X0.5CY
4	7.7	4X0.5	4X0.5CY
5	8.3	5X0.5	5X0.5CY
7	9.1	7X0.5	7X0.5CY
12	11.4	12X0.5	12X0.5CY
20	13.7	20X0.5	20X0.5CY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.7	3X0.75	3X0.75CY
4	8.3	4X0.75	4X0.75CY
5	9.2	5X0.75	5X0.75CY
7	9.9	7X0.75	7X0.75CY
12	12.4	12X0.75	12X0.75CY
20	15.0	20X0.75	20X0.75CY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.2	3X1.0	3X1.0CY
4	9.1	4X1.0	4X1.0CY
5	9.8	5X1.0	5X1.0CY
7	10.5	7X1.0	7X1.0CY
12	13.3	12X1.0	12X1.0CY
20	16.1	20X1.0	20X1.0CY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.0	3X1.5	3X1.5CY
4	9.7	4X1.5	4X1.5CY
5	10.5	5X1.5	5X1.5CY
7	11.3	7X1.5	7X1.5CY
12	14.4	12X1.5	12X1.5CY
20	17.5	20X1.5	20X1.5CY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.0	3X2.5	3X2.5CY
4	11.9	4X2.5	4X2.5CY
5	12.9	5X2.5	5X2.5CY
7	14.0	7X2.5	7X2.5CY
12	18.2	12X2.5	12X2.5CY
20	22.7	20X2.5	20X2.5CY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.6	3X4	3X4CY
4	13.7	4X4	4X4CY
5	14.9	5X4	5X4CY
7	16.2	7X4	7X4CY
9	20.0	9X4	9X4CY
12	21.5	12X4	12X4CY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.6	3X6	3X6CY
4	16.0	4X6	4X6CY
5	17.5	5X6	5X6CY
7	19.1	7X6	7X6CY
9	23.6	9X6	9X6CY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.8	3X10	3X10CY
4	19.8	4X10	4X10CY
5	21.7	5X10	5X10CY
7	23.8	7X10	7X10CY
9	29.2	9X10	9X10CY

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	21.5	3X16	3X16CY
4	23.6	4X16	4X16CY
5	26.0	5X16	5X16CY
7	28.5	7X16	7X16CY

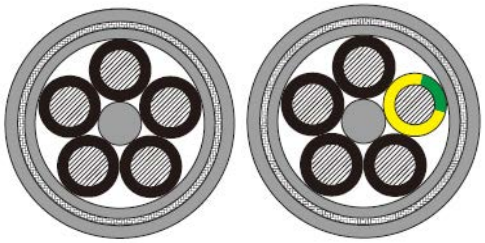
CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	25.9	3X25	3X25CY
4	28.6	4X25	4X25CY
5	31.5	5X25	5X25CY
7	34.2	7X25	7X25CY

MACHFLEX 350 SY CABLES

Armored (SY) PVC Control Cables

Galvanized Steel Wire Braid (GSWB) - Excellent Mechanical Protection



APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.

GENERAL REFERENCE STANDARDS

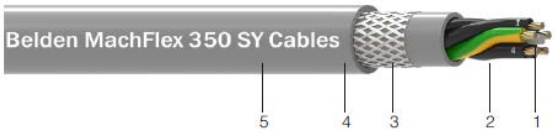
- DIN VDE 0295, IEC 60228, BS6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- DIN EN 50525-2-51
- RoHS, REACH & CE Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Color	Insulation Material & Colour PVC (polyvinyl chloride). A) All black color with number coding = without protective conductor. B) Black color with number coding plus 1 green & yellow = with protective conductor.
3.	Braid Shield Material	GSWB (Galvanized Steel Wire Braid)
4.	Jacket / Sheath Material	PVC (polyvinyl chloride)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	300 / 500 V
7.	Oil Resistant	DIN EN 50290-2-22 (TM54)
8.	Temperature Range	-30 °C TO +70 °C (Occasional movement) -40 °C TO +80 °C (Fixed installation)
9.	Bending Radius	20 x OD (Occasional movement) 6 x OD (Fixed installation)
10.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX 350 SY ARMORED (SY) PVC CONTROL CABLES

Galvanized Steel Wire Braid Shield (Gswb) Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Galvanized Steel Wire Braid Shield
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.5	3G0.5	3G0.5SY
4	8.0	4G0.5	4G0.5SY
5	8.5	5G0.5	5G0.5SY
7	9.1	7G0.5	7G0.5SY
12	11.4	12G0.5	12G0.5SY
20	13.9	20G0.5	20G0.5SY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.0	3G0.75	3G0.75SY
4	8.6	4G0.75	4G0.75SY
5	9.2	5G0.75	5G0.75SY
7	9.9	7G0.75	7G0.75SY
12	12.4	12G0.75	12G0.75SY
20	15.2	20G0.75	20G0.75SY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.4	3G1.0	3G1.0SY
4	9.1	4G1.0	4G1.0SY
5	9.8	5G1.0	5G1.0SY
7	10.5	7G1.0	7G1.0SY
12	13.3	12G1.0	12G1.0SY
20	16.3	20G1.0	20G1.0SY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.0	3G1.5	3G1.5SY
4	9.7	4G1.5	4G1.5SY
5	10.5	5G1.5	5G1.5SY
7	11.3	7G1.5	7G1.5SY
12	14.6	12G1.5	12G1.5SY
20	17.7	20G1.5	20G1.5SY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.0	3G2.5	3G2.5SY
4	11.9	4G2.5	4G2.5SY
5	12.9	5G2.5	5G2.5SY
7	14.2	7G2.5	7G2.5SY
12	18.4	12G2.5	12G2.5SY
20	22.6	20G2.5	20G2.5SY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.6	3G4	3G4SY
4	13.9	4G4	4G4SY
5	15.1	5G4	5G4SY
7	16.4	7G4	7G4SY
9	19.9	9G4	9G4SY
12	21.5	12G4	12G4SY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.9	3G6	3G6SY
4	16.2	4G6	4G6SY
5	17.7	5G6	5G6SY
7	19.3	7G6	7G6SY
9	23.5	9G6	9G6SY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	18.0	3G10	3G10SY
4	19.8	4G10	4G10SY
5	21.7	5G10	5G10SY
7	23.7	7G10	7G10SY
9	29.1	9G10	9G10SY

CONDUCTOR 16.00 MM2

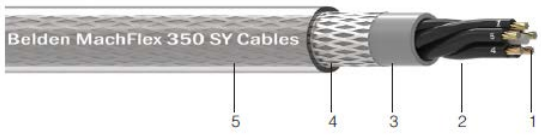
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	21.4	3G16	3G16SY
4	23.6	4G16	4G16SY
5	26.1	5G16	5G16SY
7	28.4	7G16	7G16SY

CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	25.9	3G25	3G25SY
4	28.6	4G25	4G25SY
5	31.2	5G25	5G25SY
7	33.9	7G25	7G25SY

MACHFLEX 350 SY ARMORED (SY) PVC CONTROL CABLES

Galvanized Steel Wire Braid Shield (GSWB) Cable Without (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Galvanized Steel Wire Braid Shield
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.5	3X0.5	3X0.5SY
4	8.0	4X0.5	4X0.5SY
5	8.5	5X0.5	5X0.5SY
7	9.1	7X0.5	7X0.5SY
12	11.4	12X0.5	12X0.5SY
20	13.9	20X0.5	20X0.5SY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.0	3X0.75	3X0.75SY
4	8.6	4X0.75	4X0.75SY
5	9.2	5X0.75	5X0.75SY
7	9.9	7X0.75	7X0.75SY
12	12.4	12X0.75	12X0.75SY
20	15.2	20X0.75	20X0.75SY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.4	3X1.0	3X1.0SY
4	9.1	4X1.0	4X1.0SY
5	9.8	5X1.0	5X1.0SY
7	10.5	7X1.0	7X1.0SY
12	13.3	12X1.0	12X1.0SY
20	16.3	20X1.0	20X1.0SY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.0	3X1.5	3X1.5SY
4	9.7	4X1.5	4X1.5SY
5	10.5	5X1.5	5X1.5SY
7	11.3	7X1.5	7X1.5SY
12	14.6	12X1.5	12X1.5SY
20	17.7	20X1.5	20X1.5SY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.0	3X2.5	3X2.5SY
4	11.9	4X2.5	4X2.5SY
5	12.9	5X2.5	5X2.5SY
7	14.2	7X2.5	7X2.5SY
12	18.4	12X2.5	12X2.5SY
20	22.6	20X2.5	20X2.5SY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.6	3X4	3X4SY
4	13.9	4X4	4X4SY
5	15.1	5X4	5X4SY
7	16.4	7X4	7X4SY
9	19.9	9X4	9X4SY
12	21.5	12X4	12X4SY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.9	3X6	3X6SY
4	16.2	4X6	4X6SY
5	17.7	5X6	5X6SY
7	19.3	7X6	7X6SY
9	23.5	9X6	9X6SY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	18.0	3X10	3X10SY
4	19.8	4X10	4X10SY
5	21.7	5X10	5X10SY
7	23.7	7X10	7X10SY
9	29.1	9X10	9X10SY

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	21.4	3X16	3X16SY
4	23.6	4X16	4X16SY
5	26.1	5X16	5X16SY
7	28.4	7X16	7X16SY

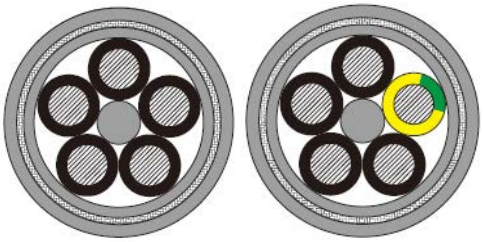
CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	25.9	3X25	3X25SY
4	28.6	4X25	4X25SY
5	31.2	5X25	5X25SY
7	33.9	7X25	7X25SY

MACHFLEX 350 HH CABLES

Unshielded LSZH Control Cables

APPLICATIONS



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GENERAL REFERENCE STANDARDS

- DIN VDE 0295, IEC 60228,
- DIN EN 50290-2-22,
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS&REACH&CE Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Color	LSZH (low smoke halogen-free), DIN VDE 0293-1 (colour) A) All black colour with number coding = without protective conductor. B) Black color colour with number coding plus 1 green & yellow = with protective conductor.
3.	Jacket / Sheath Material	LSZH (low smoke halogen-free)
4.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
5.	Voltage Rating (Uo/U)	300 / 500 V
6.	Oil Resistant	IEC 60811-404
7.	Temperature Range	-30 C TO +70 C (Occasional movement) -40 CTO +80 C (Fixed installation)
8.	Bending Radius	10 x OD (Occasional movement) 4 x OD (Fixed installation)
9.	Other Properties	Good UV resistance(black jacket only), chemical resistance & flexibility

MACHFLEX 350 HH UNSHIELDED LSZH CONTROL CABLES

Unshielded Cable With (G) Protective Ground

1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.9	3G0.5	3G0.5L
4	5.3	4G0.5	4G0.5L
5	5.9	5G0.5	5G0.5L
7	6.4	7G0.5	7G0.5L
12	8.6	12G0.5	12G0.5L
20	10.8	20G0.5	20G0.5L

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.4	3G0.75	3G0.75L
4	5.9	4G0.75	4G0.75L
5	6.5	5G0.75	5G0.75L
7	7.2	7G0.75	7G0.75L
12	9.6	12G0.75	12G0.75L
20	12.1	20G0.75	20G0.75L

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.8	3 G1.0	3G1.0L
4	6.4	4 G1.0	4G1.0L
5	7.1	5 G1.0	5G1.0L
7	7.8	7 G1.0	7G1.0L
12	10.5	12G1.0	12G1.0L
20	13.2	20G1.0	20G1.0L

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.4	3 G1.5	3G1.5L
4	7.0	4 G1.5	4G1.5L
5	7.8	5 G1.5	5G1.5L
7	8.5	7 G1.5	7G1.5L
12	11.5	12 G1.5	12G1.5L
20	14.5	20 G1.5	20G1.5L

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.3	3 G2.5	3G2.5L
4	9.2	4 G2.5	4G2.5L
5	10.2	5 G2.5	5G2.5L
7	11.2	7 G2.5	7G2.5L
9	14.0	9 G2.5	9G2.5L
12	15.2	12 G2.5	12G2.5L

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.8	3G4	3G4L
4	10.9	4G4	4G4L
5	12.0	5G4	5G4L
7	13.3	7G4	7G4L
9	16.6	9G4	9G4L
12	18.1	12G4	12G4L

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.8	3G6	3G6L
4	13.1	4G6	4G6L
5	14.5	5G6	5G6L

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.9	3G10	3G10L
4	16.6	4G10	4G10L
5	18.4	5G10	5G10L

MACHFLEX 350 HH UNSHIELDED LSZH CONTROL CABLES

Unshielded Cable Without (G) Protective Ground

1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.9	3X0.5	3X0.5L
4	5.3	4X0.5	4X0.5L
5	5.9	5X0.5	5X0.5L
7	6.4	7X0.5	7X0.5L
12	8.6	12X0.5	12X0.5L
20	10.8	20X0.5	20X0.5L

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.4	3X0.75	3X0.75L
4	5.9	4X0.75	4X0.75L
5	6.5	5X0.75	5X0.75L
7	7.2	7X0.75	7X0.75L
12	9.6	12X0.75	12X0.75L
20	12.1	20X0.75	20X0.75L

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.8	3X1.0	3X1.0L
4	6.4	4X1.0	4X1.0L
5	7.1	5X1.0	5X1.0L
7	7.8	7X1.0	7X1.0L
12	10.5	12X1.0	12X1.0L
20	13.2	20X1.0	20X1.0L

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.4	3X1.5	3X1.5L
4	7.0	4X1.5	4X1.5L
5	7.8	5X1.5	5X1.5L
7	8.5	7X1.5	7X1.5L
12	11.5	12X1.5	12X1.5L
20	14.5	20X1.5	20X1.5L

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.3	3X2.5	3X2.5L
4	9.2	4X2.5	4X2.5L
5	10.2	5X2.5	5X2.5L
7	11.2	7X2.5	7X2.5L
9	14.0	9X2.5	9X2.5L
12	15.2	12X2.5	12X2.5L

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.8	3X4	3X4L
4	10.9	4X4	4X4L
5	12.0	5X4	5X4L
7	13.3	7X4	7X4L
9	16.6	9X4	9X4L
12	18.1	12X4	12X4L

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.8	3X6	3X6L
4	13.1	4X6	4X6L
5	14.5	5X6	5X6L

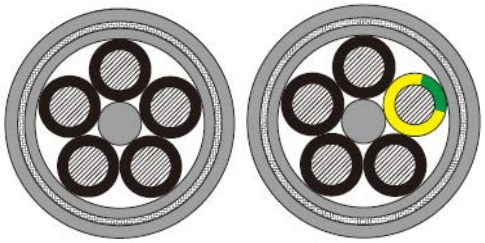
CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.9	3X10	3X10L
4	16.6	4X10	4X10L
5	18.4	5X10	5X10L

MACHFLEX 350 CH CABLES

Shielded (CH) LSZH Control Cables

Tinned Copper Braid Shield (TCB) -Excellent Noise Immunity



APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors,multi axis control machines, temperature controllers, control panels,machine cutting tools, auxiliary equipment, motor speed control,production machinery and many more.

GENERAL REFERENCE STANDARDS

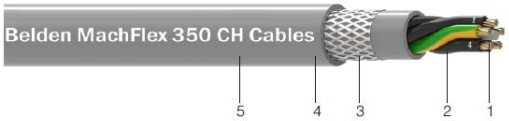
- DIN VDE 0295, IEC 60228,
- DIN EN 50290-2-22,
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS&REACH&CE Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	LSZH (low smoke halogen-free), DIN VDE 0293-1 (colour) A) All black colour with number coding = without protective conductor. B) Black color colour with number coding plus 1 green & yellow = with protective conductor.
3.	Braid Shield Material	Tinned Copper Braid Shield
4.	Jacket / Sheath Material	LSZH (low smoke halogen-free)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	300 / 500 V
7.	Oil Resistant	IEC 60811-404
8.	Temperature Range	-30 C TO +70 C (Occasional movement) -40 C TO +80 C (Fixed installation)
9.	Bending Radius	15 x OD (Flexible application) 6 x OD (Fixed installation)
10.	Other Properties	Good UV resistance(black jacket only), chemical resistance & flexibility

MACHFLEX 350 CH SHIELDED (CH) LSZH CONTROL CABLES

Tinned Copper Braid Shielded Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Tinned Copper Braid Shielded
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.1	3G0.5	3G0.5CH
4	7.7	4G0.5	4G0.5CH
5	8.1	5G0.5	5G0.5CH
7	9.0	7G0.5	7G0.5CH
12	11.3	12G0.5	12G0.5CH
20	13.6	20G0.5	20G0.5CH

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.7	3G0.75	3G0.75CH
4	8.2	4G0.75	4G0.75CH
5	9.1	5G0.75	5G0.75CH
7	9.8	7G0.75	7G0.75CH
12	12.3	12G0.75	12G0.75CH
20	14.9	20G0.75	20G0.75CH

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.1	3G1.0	3G1.0CH
4	9.0	4G1.0	4G1.0CH
5	9.7	5G1.0	5G1.0CH
7	10.4	7G1.0	7G1.0CH
12	13.2	12G1.0	12G1.0CH
20	16.0	20G1.0	20G1.0CH

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.9	3G1.5	3G1.5CH
4	9.6	4G1.5	4G1.5CH
5	10.4	5G1.5	5G1.5CH
7	11.2	7G1.5	7G1.5CH
12	14.3	12G1.5	12G1.5CH
20	17.4	20G1.5	20G1.5CH

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	10.9	3 G2.5	3G2.5CH
4	11.9	4 G2.5	4G2.5CH
5	12.9	5 G2.5	5G2.5CH
7	13.9	7 G2.5	7G2.5CH

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.5	3G4	3G4CH
4	13.6	4G4	4G4CH
5	14.8	5G4	5G4CH
7	16.1	7G4	7G4CH

CONDUCTOR 6.00 MM2

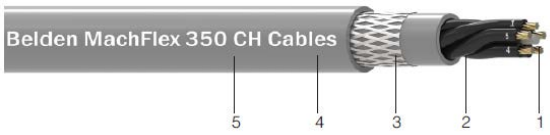
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.5	3G6	3G6CH

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.8	3G10	3G10CH

MACHFLEX 350 CH SHIELDED (CH) LSZH CONTROL CABLES

Tinned Copper Braid Shielded Cable Without (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Tinned Copper Braid Shielded
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.1	3X0.5	3X0.5CH
4	7.7	4X0.5	4X0.5CH
5	8.1	5X0.5	5X0.5CH
7	9.0	7X0.5	7X0.5CH
12	11.3	12X0.5	12X0.5CH
20	13.6	20X0.5	20X0.5CH

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.7	3X0.75	3X0.75CH
4	8.2	4X0.75	4X0.75CH
5	9.1	5X0.75	5X0.75CH
7	9.8	7X0.75	7X0.75CH
12	12.3	12X0.75	12X0.75CH
20	14.9	20X0.75	20X0.75CH

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.1	3X1.0	3X1.0CH
4	9.0	4X1.0	4X1.0CH
5	9.7	5X1.0	5X1.0CH
7	10.4	7X1.0	7X1.0CH
12	13.2	12X1.0	12X1.0CH
20	16.0	20X1.0	20X1.0CH

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.9	3X1.5	3X1.5CH
4	9.6	4X1.5	4X1.5CH
5	10.4	5X1.5	5X1.5CH
7	11.2	7X1.5	7X1.5CH
12	14.3	12X1.5	12X1.5CH
20	17.4	20X1.5	20X1.5CH

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	10.9	3X2.5	3X2.5CH
4	11.9	4X2.5	4X2.5CH
5	12.9	5X2.5	5X2.5CH
7	13.9	7X2.5	7X2.5CH

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.5	3X4	3X4CH
4	13.6	4X4	4X4CH
5	14.8	5X4	5X4CH
7	16.1	7X4	7X4CH

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.5	3X6	3X6CH

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.8	3X10	3X10CH

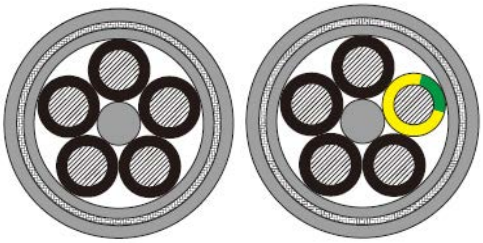
MACHFLEX 350 SH CABLES

Armored (SH) LSZH Control Cables

Galvanlized Steel Wire Braid (GSWB) --> Excellent Mechanical Protection

APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.



GENERAL REFERENCE STANDARDS

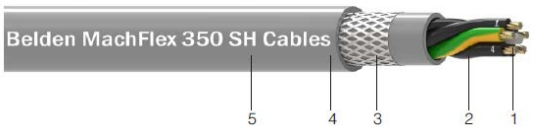
- DIN VDE 0295, IEC 60228,
- DIN EN 50290-2-22,
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS&REACH&CE Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	LSZH (low smoke halogen-free), DIN VDE 0293-1 (colour) A) All black colour with number coding = without protective conductor. B) Black color colour with number coding plus 1 green & yellow = with protective conductor.
3.	Braid Shield Material	GSWB (Galvanized Steel Wire Braid)
4.	Jacket / Sheath Material	LSZH (low smoke halogen-free)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	300 / 500 V
7.	Oil Resistant	IEC 60811-404
8.	Temperature Range	-30 C TO +70 C (Occasional movement) -40 C TO +80 C (Fixed installation)
9.	Bending Radius	20 x OD (Flexible application) 6 x OD (Fixed installation)
10.	Other Properties	Good UV resistance(black jacket only), chemical resistance & flexibility

MACHFLEX 350 HH UNSHIELDED LSZH CONTROL CABLES

Unshielded Cable Without (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Galvanized Steel Wire Braid Shield
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.4	3G0.5	3G0.5SH
4	7.9	4G0.5	4G0.5SH
5	8.4	5G0.5	5G0.5SH
7	9.0	7G0.5	7G0.5SH
12	11.3	12G0.5	12G0.5SH
20	13.7	20G0.5	20G0.5SH

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.9	3G0.75	3G0.75SH
4	8.5	4G0.75	4G0.75SH
5	9.1	5G0.75	5G0.75SH
7	9.8	7G0.75	7G0.75SH
12	12.3	12G0.75	12G0.75SH
20	15.1	20G0.75	20G0.75SH

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.3	3G1.0	3G1.0SH
4	9.0	4G1.0	4G1.0SH
5	9.7	5G1.0	5G1.0SH
7	10.4	7G1.0	7G1.0SH
12	13.2	12G1.0	12G1.0SH
20	16.2	20G1.0	20G1.0SH

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.9	3G1.5	3G1.5SH
4	9.6	4G1.5	4G1.5SH
5	10.4	5G1.5	5G1.5SH
7	11.2	7G1.5	7G1.5SH
12	14.5	12G1.5	12G1.5SH
20	17.6	20G1.5	20G1.5SH

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	10.9	3 G2.5	3G2.5SH
4	11.9	4 G2.5	4G2.5SH
5	12.9	5 G2.5	5G2.5SH
7	14.1	7 G2.5	7G2.5SH

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.5	12.5	3G4SH
4	13.8	13.8	4G4SH
5	15.0	15.0	5G4SH
7	16.3	16.3	7G4SH

CONDUCTOR 6.00 MM2

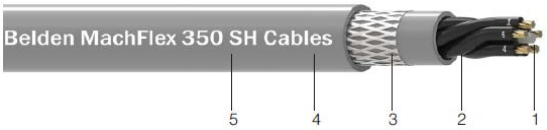
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.7	3G6	3G6SH

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	18.0	3G10	3G10SH

MACHFLEX 350 SH ARMORED (SH) LSZH CONTROL CABLES

Galvanlized Steel Wire Braid Shield (GSWB) Cable Without (G) Protective Ground



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4 = Galvanized Steel Wire Braid Shield
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.4	3X0.5	3X0.5SH
4	7.9	4X0.5	4X0.5SH
5	8.4	5X0.5	5X0.5SH
7	9.0	7X0.5	7X0.5SH
12	11.3	12X0.5	12X0.5SH
20	13.7	20X0.5	20X0.5SH

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.9	3X0.75	3X0.75SH
4	8.5	4X0.75	4X0.75SH
5	9.1	5X0.75	5X0.75SH
7	9.8	7X0.75	7X0.75SH
12	12.3	12X0.75	12X0.75SH
20	15.1	20X0.75	20X0.75SH

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.3	3X1.0	3X1.0SH
4	9.0	4X1.0	4X1.0SH
5	9.7	5X1.0	5X1.0SH
7	10.4	7X1.0	7X1.0SH
12	13.2	12X1.0	12X1.0SH
20	16.2	20X1.0	20X1.0SH

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.9	3X1.5	3X1.5SH
4	9.6	4X1.5	4X1.5SH
5	10.4	5X1.5	5X1.5SH
7	11.2	7X1.5	7X1.5SH
12	14.5	12X1.5	12X1.5SH
20	17.6	20X1.5	20X1.5SH

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	10.9	3X2.5	3X2.5SH
4	11.9	4X2.5	4X2.5SH
5	12.9	5X2.5	5X2.5SH
7	14.1	7X2.5	7X2.5SH

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.5	3X4	3X4SH
4	13.8	4X4	4X4SH
5	15.0	5X4	5X4SH
7	16.3	7X4	7X4SH

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.7	3X6	3X6SH

CONDUCTOR 10.00 MM2

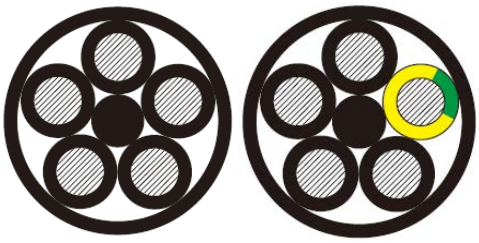
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	18.0	18.0	3X10SH

MACHFLEX 610 YY CABLES

Unshielded PVC 600/1000V Control Cables

APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.



GENERAL REFERENCE STANDARDS

- DIN VDE 0295, IEC 60228, BS6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1, DIN VDE 0250-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), DIN VDE 0293-1 (colour) A) All black colour with number coding = without protective conductor. B) Black color colour with number coding plus 1 green & yellow = with protective conductor.
4.	Jacket / Sheath Material	PVC (polyvinyl chloride)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	600 / 1000 V
7.	Oil Resistant	DIN EN 50290-2-22 (TM54)
8.	Temperature Range	-5 C TO +70 C (Occasional movement) -40 C TO +80 C (Fixed installation)
9.	Bending Radius	15 x OD (Occasional movement) 4 x OD (Fixed installation)
10.	Other Properties	Good UV resistance, chemical resistance & flexibility
10.	Other Properties	Good UV resistance(black jacket only), chemical resistance & flexibility

MACHFLEX 610 YY UNSHIELDED PVC 600/1000V CONTROL CABLES

Unshielded Cable With (G) Protective Ground

1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.50	3G0.75	H3G0.75
4	10.2	4G0.75	H4G0.75
5	11.0	5G0.75	H5G0.75
7	11.8	7G0.75	H7G0.75
12	15.0	12G0.75	H12G0.75
20	18.2	20G0.75	H20G0.75

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.9	3G1.0	H3G1.0
4	10.6	4G1.0	H4G1.0
5	11.4	5G1.0	H5G1.0
7	12.3	7G1.0	H7G1.0
12	15.7	12G1.0	H12G1.0
20	19.1	20G1.0	H20G1.0

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	10.3	3G1.5	H3G1.5
4	11.2	4G1.5	H4G1.5
5	12.0	5G1.5	H5G1.5
7	13.0	7G1.5	H7G1.5
12	16.6	12G1.5	H12G1.5
20	20.2	20G1.5	H20G1.5

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.3	3G2.5	H3G2.5
4	12.3	4G2.5	H4G2.5
5	13.3	5G2.5	H5G2.5
7	14.3	7G2.5	H7G2.5
12	18.5	12G2.5	H12G2.5
20	22.7	20G2.5	H20G2.5

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	13.5	3G4	H3G4
4	14.7	4G4	H4G4
5	16.0	5G4	H5G4
7	17.4	7G4	H7G4
9	21.0	9G4	H9G4

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.8	3G6	H3G6
4	16.1	4G6	H4G6
5	17.6	5G6	H5G6
7	19.1	7G6	H7G6
9	23.3	9G6	H9G6

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.0	3G10	H3G10
4	18.6	4G10	H4G10
5	20.3	5G10	H5G10
7	22.2	7G10	H7G10

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	19.8	3G16	H3G16
4	21.8	4G16	H4G16
5	23.9	5G16	H5G16
7	26.1	7G16	H7G16

MACHFLEX 610 YY UNSHIELDED PVC 600/1000V CONTROL CABLES

Unshielded Cable Without (G) Protective Ground

1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.50	3X0.75	H3X0.75
4	10.2	4X0.75	H4X0.75
5	11.0	5X0.75	H5X0.75
7	11.8	7X0.75	H7X0.75
12	15.0	12X0.75	H12X0.75
20	18.2	20X0.75	H20X0.75

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.9	3X1.0	H3X1.0
4	10.6	4X1.0	H4X1.0
5	11.4	5X1.0	H5X1.0
7	12.3	7X1.0	H7X1.0
12	15.7	12X1.0	H12X1.0
20	19.1	20X1.0	H20X1.0

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	10.3	3X1.5	H3X1.5
4	11.2	4X1.5	H4X1.5
5	12.0	5X1.5	H5X1.5
7	13.0	7X1.5	H7X1.5
12	16.6	12X1.5	H12X1.5
20	20.2	20X1.5	H20X1.5

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.3	3X2.5	H3X2.5
4	12.3	4X2.5	H4X2.5
5	13.3	5X2.5	H5X2.5
7	14.3	7X2.5	H7X2.5
12	18.5	12X2.5	H12X2.5
20	22.7	20X2.5	H20X2.5

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	13.5	3X4	H3X4
4	14.7	4X4	H4X4
5	16.0	5X4	H5X4
7	17.4	7X4	H7X4
9	21.0	9X4	H9X4

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.8	3X6	H3X6
4	16.1	4X6	H4X6
5	17.6	5X6	H5X6
7	19.1	7X6	H7X6
9	23.3	9X6	H9X6

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.0	3X10	H3X10
4	18.6	4X10	H4X10
5	20.3	5X10	H5X10
7	22.2	7X10	H7X10

CONDUCTOR 16.00 MM2

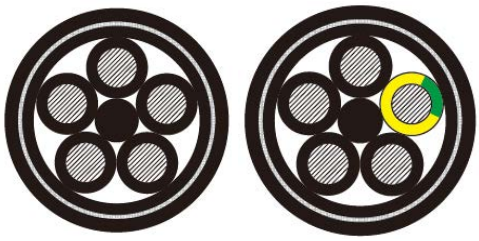
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	19.8	3X16	H3X16
4	21.8	4X16	H4X16
5	23.9	5X16	H5X16
7	26.1	7X16	H7X16

MACHFLEX 610 CY CABLES

Tinned Copper Braid Shielded PVC 600/1000V Control Cables

APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.



GENERAL REFERENCE STANDARDS

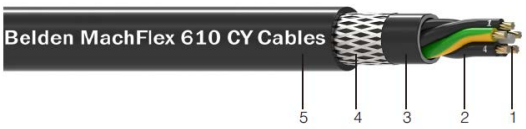
- DIN VDE 0295, IEC 60228, BS6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1, DIN VDE 0250-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), DIN VDE 0293-1 (colour) A) All black colour with number coding = without protective conductor. B) Black color colour with number coding plus 1 green & yellow = with protective conductor.
3.	Braid Shield Material	Tinned Copper Braid Shield
4.	Jacket / Sheath Material	PVC (polyvinyl chloride)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	600 / 1000 V
7.	Oil Resistant	DIN EN 50290-2-22 (TM54)
8.	Temperature Range	-5 C TO +70 C (Occasional movement) -40 C TO +80 C (Fixed installation)
9.	Bending Radius	20 x OD (Flexible application) 6 x OD (Fixed installation)
10.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX 610 CY SHIELDED (CY) PVC 600/1000V CONTROL CABLES

Tinned Copper Braid Shielded Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Tinned Copper Braid Shielded
5 = Outer Sheath

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.2	3G0.75	H3G0.75CY
4	12.9	4G0.75	H4G0.75CY
5	13.6	5G0.75	H5G0.75CY
7	14.7	7G0.75	H7G0.75CY
12	17.9	12G0.75	H12G0.75CY
20	21.3	20G0.75	H20G0.75CY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.5	3G1.0	H3G1.0CY
4	13.3	4G1.0	H4G1.0CY
5	14.1	5G1.0	H5G1.0CY
7	15.2	7G1.0	H7G1.0CY
12	18.6	12G1.0	H12G1.0CY
20	22.2	20G1.0	H20G1.0CY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	13.0	3G1.5	H3G1.5CY
4	13.8	4G1.5	H4G1.5CY
5	14.9	5G1.5	H5G1.5CY
7	15.9	7G1.5	H7G1.5CY
12	19.5	12G1.5	H12G1.5CY
20	23.4	20G1.5	H20G1.5CY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.0	3G2.5	H3G2.5CY
4	15.2	4G2.5	H4G2.5CY
5	16.2	5G2.5	H5G2.5CY
7	17.2	7G2.5	H7G2.5CY
12	21.6	12G2.5	H12G2.5CY
20	25.8	20G2.5	H20G2.5CY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	16.4	3G4	H3G4CY
4	17.6	4G4	H4G4CY
5	18.9	5G4	H5G4CY
7	20.5	7G4	H7G4CY
9	24.2	9G4	H9G4CY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.7	3G6	H3G6CY
4	19.0	4G6	H4G6CY
5	20.7	5G6	H5G6CY
7	22.3	7G6	H7G6CY
9	26.4	9G6	H9G6CY

CONDUCTOR 10.00 MM2

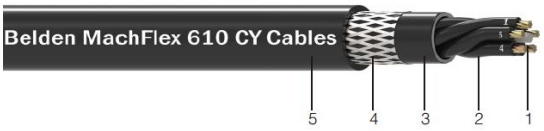
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	20.1	3G10	H3G10CY
4	21.7	4G10	H4G10CY
5	23.5	5G10	H5G10CY
7	25.3	7G10	H7G10CY

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.9	3G16	H3G16CY
4	24.9	4G16	H4G16CY
5	27.0	5G16	H5G16CY
7	29.4	7G16	H7G16CY

MACHFLEX 610 CY SHIELDED (CY) PVC 600/1000V CONTROL CABLES

Tinned Copper Braid Shielded Cable Without (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Tinned Copper Braid Shielded
5 = Outer Sheath

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.2	3X0.75	H3X0.75CY
4	12.9	4X0.75	H4X0.75CY
5	13.6	5X0.75	H5X0.75CY
7	14.7	7X0.75	H7X0.75CY
12	17.9	12X0.75	H12X0.75CY
20	21.3	20X0.75	H20X0.75CY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.5	3X1.0	H3X1.0CY
4	13.3	4X1.0	H4X1.0CY
5	14.1	5X1.0	H5X1.0CY
7	15.2	7X1.0	H7X1.0CY
12	18.6	12X1.0	H12X1.0CY
20	22.2	20X1.0	H20X1.0CY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	13.0	3X1.5	H3X1.5CY
4	13.8	4X1.5	H4X1.5CY
5	14.9	5X1.5	H5X1.5CY
7	15.9	7X1.5	H7X1.5CY
12	19.5	12X1.5	H12X1.5CY
20	23.4	20X1.5	H20X1.5CY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.0	3X2.5	H3X2.5CY
4	15.2	4X2.5	H4X2.5CY
5	16.2	5X2.5	H5X2.5CY
7	17.2	7X2.5	H7X2.5CY
12	21.6	12X2.5	H12X2.5CY
20	25.8	20X2.5	H20X2.5CY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	16.4	3X4	H3X4CY
4	17.6	4X4	H4X4CY
5	18.9	5X4	H5X4CY
7	20.5	7X4	H7X4CY
9	24.2	9X4	H9X4CY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.7	3X6	H3X6CY
4	19.0	4X6	H4X6CY
5	20.7	5X6	H5X6CY
7	22.3	7X6	H7X6CY
9	26.4	9X6	H9X6CY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	20.1	3X10	H3X10CY
4	21.7	4X10	H4X10CY
5	23.5	5X10	H5X10CY
7	25.3	7X10	H7X10CY

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.9	3X16	H3X16CY
4	24.9	4X16	H4X16CY
5	27.0	5X16	H5X16CY
7	29.4	7X16	H7X16CY

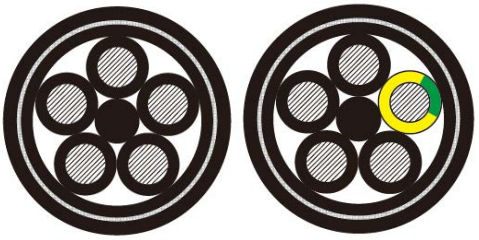
MACHFLEX 610 SY CABLES

Armored (SY) PVC 600/1000V Control Cables

Galvanlized Steel Wire Braid (GSWB) --> Excellent Mechanical Protection

APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.



GENERAL REFERENCE STANDARDS

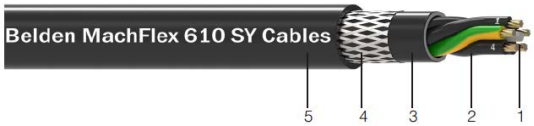
- DIN VDE 0295, IEC 60228, BS6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1, DIN VDE 0250-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), DIN VDE 0293-1 (colour) A) All black colour with number coding = without protective conductor. B) Black color colour with number coding plus 1 green & yellow = with protective conductor.
3.	Braid Shield Material	GSWB (Galvanized Steel Wire Braid)
4.	Jacket / Sheath Material	PVC (polyvinyl chloride)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	600 / 1000 V
7.	Oil Resistant	DIN EN 50290-2-22 (TM54)
8.	Temperature Range	-5 C TO +70 C (Occasional movement) -40 CTO +80 C (Fixed installation)
9.	Bending Radius	20 x OD (Flexible application) 6 x OD (Fixed installation)
10.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX 610 SY ARMORED (SY) PVC 600/1000V CONTROL CABLES

Galvanlized Steel Wire Braid Shield (GSWB) Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Galvanized Steel Wire Braid Shield
5 = Outer Sheath

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.4	3G0.75	H3G0.75SY
4	13.1	4G0.75	H4G0.75SY
5	13.9	5G0.75	H5G0.75SY
7	14.9	7G0.75	H7G0.75SY
12	18.0	12G0.75	H12G0.75SY
20	21.2	20G0.75	H20G0.75SY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.8	3G1.0	H3G1.0SY
4	13.5	4G1.0	H4G1.0SY
5	14.3	5G1.0	H5G1.0SY
7	15.4	7G1.0	H7G1.0SY
12	18.7	12G1.0	H12G1.0SY
20	22.1	20G1.0	H20G1.0SY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	13.2	3G1.5	H3G1.5SY
4	14.1	4G1.5	H4G1.5SY
5	15.1	5G1.5	H5G1.5SY
7	16.0	7G1.5	H7G1.5SY
12	19.7	12G1.5	H12G1.5SY
20	23.3	20G1.5	H20G1.5SY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.2	3G2.5	H3G2.5SY
4	15.3	4G2.5	H4G2.5SY
5	16.3	5G2.5	H5G2.5SY
7	17.4	7G2.5	H7G2.5SY
12	21.6	12G2.5	H12G2.5SY
20	25.8	20G2.5	H20G2.5SY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	16.6	3G4	H3G4SY
4	17.8	4G4	H4G4SY
5	19.1	5G4	H5G4SY
7	20.5	7G4	H7G4SY
9	24.1	9G4	H9G4SY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.9	3G6	H3G6SY
4	19.2	4G6	H4G6SY
5	20.7	5G6	H5G6SY
7	22.2	7G6	H7G6SY
9	26.4	9G6	H9G6SY

CONDUCTOR 10.00 MM2

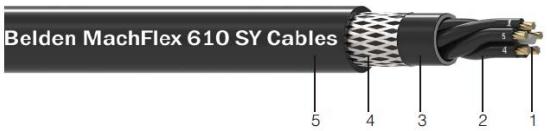
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	20.1	3G10	H3G10SY
4	21.7	4G10	H4G10SY
5	23.4	5G10	H5G10SY
7	25.3	7G10	H7G10SY

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.9	3G16	H3G16SY
4	24.8	4G16	H4G16SY
5	27.0	5G16	H5G16SY
7	29.4	7G16	H7G16SY

MACHFLEX 610 SY ARMORED (SY) PVC 600/1000V CONTROL CABLES

Galvanlized Steel Wire Braid Shield (GSWB) Cable Without (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Galvanized Steel Wire Braid Shield
5 = Outer Sheath

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.4	3X0.75	H3X0.75SY
4	13.1	4X0.75	H4X0.75SY
5	13.9	5X0.75	H5X0.75SY
7	14.9	7X0.75	H7X0.75SY
12	18.0	12X0.75	H12X0.75SY
20	21.2	20X0.75	H20X0.75SY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.8	3X1.0	H3X1.0SY
4	13.5	4X1.0	H4X1.0SY
5	14.3	5X1.0	H5X1.0SY
7	15.4	7X1.0	H7X1.0SY
12	18.7	12X1.0	H12X1.0SY
20	22.1	20X1.0	H20X1.0SY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	13.2	3X1.5	H3X1.5SY
4	14.1	4X1.5	H4X1.5SY
5	15.1	5X1.5	H5X1.5SY
7	16.0	7X1.5	H7X1.5SY
12	19.7	12X1.5	H12X1.5SY
20	23.3	20X1.5	H20X1.5SY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.2	3X2.5	H3X2.5SY
4	15.3	4X2.5	H4X2.5SY
5	16.3	5X2.5	H5X2.5SY
7	17.4	7X2.5	H7X2.5SY
12	21.6	12X2.5	H12X2.5SY
20	25.8	20X2.5	H20X2.5SY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	16.6	3X4	H3X4SY
4	17.8	4X4	H4X4SY
5	19.1	5X4	H5X4SY
7	20.5	7X4	H7X4SY
9	24.1	9X4	H9X4SY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.9	3X6	H3X6SY
4	19.2	4X6	H4X6SY
5	20.7	5X6	H5X6SY
7	22.2	7X6	H7X6SY
9	26.4	9X6	H9X6SY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	20.1	3X10	H3X10SY
4	21.7	4X10	H4X10SY
5	23.4	5X10	H5X10SY
7	25.3	7X10	H7X10SY

CONDUCTOR 16.00 MM2

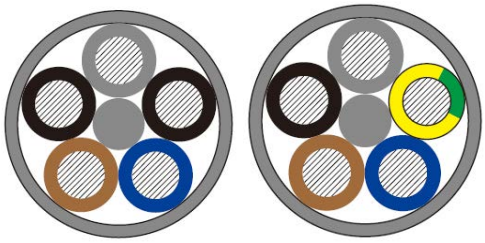
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.9	3X16	H3X16SY
4	24.8	4X16	H4X16SY
5	27.0	5X16	H5X16SY
7	29.4	7X16	H7X16SY

MACHFLEX 375 YY CABLES

Unshielded PVC Control Cables

APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.



GENERAL REFERENCE STANDARDS

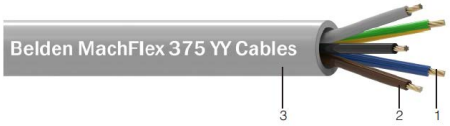
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- IEC 60227-5, EN 50525-2-51
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), VDE 0293-308 (color) A) Up to 5 cores: color-coded according to VDE 0293-308, From 6 cores : Belden MachFlex Color code B) G = with GN-YE protective conductor; X = without protective conductor
3.	Jacket / Sheath Material	PVC (polyvinyl chloride)
4.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
5.	Voltage Rating (Uo/U)	up to 1.5 mm2: 300 / 500 V From 2.5 mm2: 450 / 750 V
6.	Oil Resistant	DIN EN 50290-2-22 (TM54)
7.	Temperature Range	-5 C TO +70 C (Occasional movement) -40 C TO +80 C (Fixed installation)
8.	Bending Radius	15 x OD (Flexible application) 4 x OD (Fixed installation)
9.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX 375 YY UNSHIELDED PVC CONTROL CABLES

Unshielded Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.1	3G0.5	C3G0.5
4	5.6	4G0.5	C4G0.5
5	6.2	5G0.5	C5G0.5
7	6.8	7G0.5	C7G0.5
12	9.1	12G0.5	C12G0.5
20	11.4	20G0.5	C20G0.5

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.6	3G0.75	C3G0.75
4	6.2	4G0.75	C4G0.75
5	6.8	5G0.75	C5G0.75
7	7.5	7G0.75	C7G0.75
12	10.1	12G0.75	C12G0.75
20	12.7	20G0.75	C20G0.75

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.1	3G1.0	C3G1.0
4	6.7	4G1.0	C4G1.0
5	7.4	5G1.0	C5G1.0
7	8.1	7G1.0	C7G1.0
12	10.9	12G1.0	C12G1.0
20	13.8	20G1.0	C20G1.0

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.6	3G1.5	C3G1.5
4	7.3	4G1.5	C4G1.5
5	8.1	5G1.5	C5G1.5
7	8.9	7G1.5	C7G1.5
12	12.0	12G1.5	C12G1.5
20	15.1	20G1.5	C20G1.5

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.8	3G2.5	C3G2.5
4	10.9	4G2.5	C4G2.5
5	12.0	5G2.5	C5G2.5
7	13.3	7G2.5	C7G2.5
9	16.6	9G2.5	C9G2.5
12	18.1	12G2.5	C12G2.5

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.3	3G4	C3G4
4	12.6	4G4	C4G4
5	13.9	5G4	C5G4
7	15.4	7G4	C7G4
9	19.3	C9G4	C9G4
12	21.0	C12G4	C12G4

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.8	3G6	C3G6
4	14.2	4G6	C4G6
5	15.8	5G6	C5G6
7	17.4	7G6	C7G6
9	21.9	9G6	C9G6

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	15.3	3G10	C3G10
4	17.1	4G10	C4G10
5	19.0	5G10	C5G10
7	21.0	7G10	C7G10
9	26.4	9G10	C9G10

CONDUCTOR 16.00 MM2

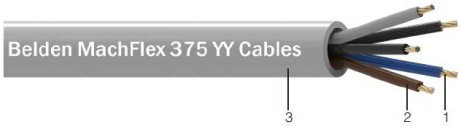
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	19.6	3G16	C3G16
4	21.9	4G16	C4G16
5	24.3	5G16	C5G16

CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.3	3G25	C3G25
4	24.9	4G25	C4G25
5	27.7	5G25	C5G25

MACHFLEX 375 YY UNSHIELDED PVC CONTROL CABLES

Unshielded Cable Without (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.1	3X0.5	C3X0.5
4	5.6	4X0.5	C4X0.5
5	6.2	5X0.5	C5X0.5
7	6.8	7X0.5	C7X0.5
12	9.1	12X0.5	C12X0.5
20	11.4	20X0.5	C20X0.5

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.6	3X0.75	C3X0.75
4	6.2	4X0.75	C4X0.75
5	6.8	5X0.75	C5X0.75
7	7.5	7X0.75	C7X0.75
12	10.1	12X0.75	C12X0.75
20	12.7	20X0.75	C20X0.75

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.1	3X1.0	C3X1.0
4	6.7	4X1.0	C4X1.0
5	7.4	5X1.0	C5X1.0
7	8.1	7X1.0	C7X1.0
12	10.9	12X1.0	C12X1.0
20	13.8	20X1.0	C20X1.0

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.6	3X1.5	C3X1.5
4	7.3	4X1.5	C4X1.5
5	8.1	5X1.5	C5X1.5
7	8.9	7X1.5	C7X1.5
12	12.0	12X1.5	C12X1.5
20	15.1	20X1.5	C20X1.5

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.8	3X2.5	C3X2.5
4	10.9	4X2.5	C4X2.5
5	12.0	5X2.5	C5X2.5
7	13.3	7X2.5	C7X2.5
9	16.6	9X2.5	C9X2.5
12	18.1	12X2.5	C12X2.5

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.3	3X4	C3X4
4	12.6	4X4	C4X4
5	13.9	5X4	C5X4
7	15.4	7X4	C7X4
9	19.3	9X4	C9X4
12	21.0	12X4	C12X4

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.8	3X6	C3X6
4	14.2	4X6	C4X6
5	15.8	5X6	C5X6
7	17.4	7X6	C7X6
9	21.9	9X6	C9X6

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	15.3	3X10	C3X10
4	17.1	4X10	C4X10
5	19.0	5X10	C5X10
7	21.0	7X10	C7X10
9	26.4	9X10	C9X10

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	19.6	3X16	C3X16
4	21.9	4X16	C4X16
5	24.3	5X16	C5X16

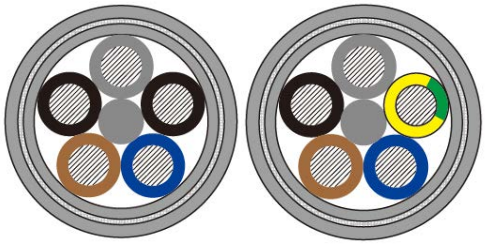
CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.3	3X25	C3X25
4	24.9	4X25	C4X25
5	27.7	5X25	C5X25

MACHFLEX 375 CY CABLES

Shielded (CY) PVC Control Cables

Tinned Copper Braid Shield (TCB) - Excellent Noise Immunity



APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.

GENERAL REFERENCE STANDARDS

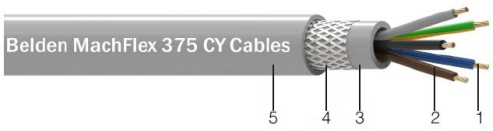
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- IEC 60227-5, VDE 0281
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), VDE 0293-308 (color) A) Up to 5 cores: color-coded according to VDE 0293-308, From 6 cores : Belden MachFlex Color code B) G = with GN-YE protective conductor; X = without protective conductor
3.	Braid Shield Material	Tinned Copper Braid Shield
3.	Jacket / Sheath Material	PVC (polyvinyl chloride)
4.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
5.	Voltage Rating (Uo/U)	Up to 1.5 mm2: 300 / 500 V From 2.5 mm2: 450 / 750 V
6.	Oil Resistant	DIN EN 50290-2-22 (TM54)
7.	Temperature Range	-5 C TO +70 C (Occasional movement) -40 C TO +80 C (Fixed installation)
8.	Bending Radius	20 x OD (Flexible application) 6 x OD (Fixed installation)
9.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX 375 CY SHIELDED (CY) PVC CONTROL CABLES

Tinned Copper Braid Shielded Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Tinned Copper Braid Shielded
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.2	3G0.5	C3G0.5CY
4	7.7	4G0.5	C4G0.5CY
5	8.3	5G0.5	C5G0.5CY
7	8.9	7G0.5	C7G0.5CY
12	11.3	12G0.5	C12G0.5CY
20	13.9	20G0.5	C20G0.5CY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.7	3G0.75	C3G0.75CY
4	8.3	4G0.75	C4G0.75CY
5	9.0	5G0.75	C5G0.75CY
7	9.7	7G0.75	C7G0.75CY
12	12.4	12G0.75	C12G0.75CY
20	15.2	20G0.75	C20G0.75CY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.2	3G1.0	3G1.0
4	8.8	4G1.0	4G1.0
5	9.6	5G1.0	5G1.0
7	10.3	7G1.0	7G1.0
12	13.4	12G1.0	12G1.0
20	16.3	20G1.0	20G1.0

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.8	3G1.5	C3G1.5CY
4	9.5	4G1.5	C4G1.5CY
5	10.3	5G1.5	C5G1.5CY
7	11.1	7G1.5	C7G1.5CY
12	14.5	12G1.5	C12G1.5CY
20	17.7	20G1.5	C20G1.5CY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.0	3G2.5	C3G2.5CY
4	13.3	4G2.5	C4G2.5CY
5	14.5	5G2.5	C5G2.5CY
7	15.8	7G2.5	C7G2.5CY
9	19.2	9G2.5	C9G2.5CY
12	20.8	12G2.5	C12G2.5CY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	13.7	3G4	C3G4CY
4	15.1	4G4	C4G4CY
5	16.5	5G4	C5G4CY
7	18.0	7G4	C7G4CY
9	22.0	C9G4	C9G4CY
12	24.0	C12G4	C12G4CY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	15.3	3G6	C3G6CY
4	16.8	4G6	C4G6CY
5	18.4	5G6	C5G6CY
7	20.1	7G6	C7G6CY
9	24.9	9G6	C9G6CY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.9	3G10	C3G10CY
4	19.8	4G10	C4G10CY
5	21.7	5G10	C5G10CY
7	24.0	7G10	C7G10CY
9	29.6	9G10	C9G10CY

CONDUCTOR 16.00 MM2

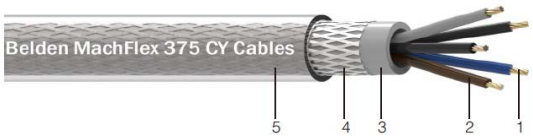
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.5	3G16	C3G16CY
4	24.9	4G16	C4G16CY
5	27.4	5G16	C5G16CY

CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	25.4	3G25	C3G25CY
4	28.1	4G25	C4G25CY
5	30.8	5G25	C5G25CY

MACHFLEX 375 CY SHIELDED (CY) PVC CONTROL CABLES

Tinned Copper Braid Shielded Cable Without (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Inner Sheath
4 = Tinned Copper Braid Shielded
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.2	3X0.5	C3X0.5CY
4	7.7	4X0.5	C4X0.5CY
5	8.3	5X0.5	C5X0.5CY
7	8.9	7X0.5	C7X0.5CY
12	11.3	12X0.5	C12X0.5CY
20	13.9	20X0.5	C20X0.5CY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.7	3X0.75	C3X0.75CY
4	8.3	4X0.75	C4X0.75CY
5	9.0	5X0.75	C5X0.75CY
7	9.7	7X0.75	C7X0.75CY
12	12.4	12X0.75	C12X0.75CY
20	15.2	20X0.75	C20X0.75CY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.2	3X1.0	C3X1.0CY
4	8.8	4X1.0	C4X1.0CY
5	9.6	5X1.0	C5X1.0CY
7	10.3	7X1.0	C7X1.0CY
12	13.4	12X1.0	C12X1.0CY
20	16.3	20X1.0	C20X1.0CY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.8	3X1.5	C3X1.5CY
4	9.5	4X1.5	C4X1.5CY
5	10.3	5X1.5	C5X1.5CY
7	11.1	7X1.5	C7X1.5CY
12	14.5	12X1.5	C12X1.5CY
20	17.7	20X1.5	C20X1.5CY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.0	3X2.5	C3X2.5CY
4	13.3	4X2.5	C4X2.5CY
5	14.5	5X2.5	C5X2.5CY
7	15.8	7X2.5	C7X2.5CY
9	19.2	9X2.5	C9X2.5CY
12	20.8	12X2.5	C12X2.5CY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	13.7	3X4	C3X4CY
4	15.1	4X4	C4X4CY
5	16.5	5X4	C5X4CY
7	18.0	7X4	C7X4CY
9	22.0	9X4	C9X4CY
12	24.0	12X4	C12X4CY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	15.3	3X6	C3X6CY
4	16.8	4X6	C4X6CY
5	18.4	5X6	C5X6CY
7	20.1	7X6	C7X6CY
9	24.9	9X6	C9X6CY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	17.9	3X10	C3X10CY
4	19.8	4X10	C4X10CY
5	21.7	5X10	C5X10CY
7	24.0	7X10	C7X10CY
9	29.6	9X10	C9X10CY

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	22.5	3X16	C3X16CY
4	24.9	4X16	C4X16CY
5	27.4	5X16	C5X16CY

CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	25.4	3X25	C3X25CY
4	28.1	4X25	C4X25CY
5	30.8	5X25	C5X25CY

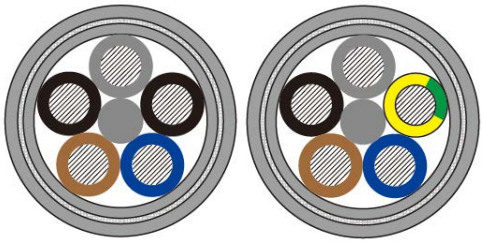
MACHFLEX 375 SY CABLES

Armored (SY) PVC Control Cables

Galvanized Steel Wire Braid (GSWB) --> Excellent Mechanical Protection

APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.



GENERAL REFERENCE STANDARDS

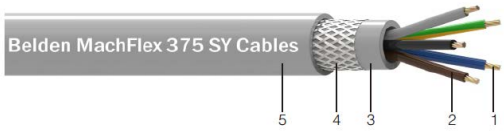
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- IEC 60227-5, VDE 0281
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), VDE 0293-308 (color) A) Up to 5 cores: color-coded according to VDE 0293-308, From 6 cores : Belden MachFlex Color code B) G = with GN-YE protective conductor; X = without protective conductor
3.	Braid Shield Material	GSWB (Galvanized Steel Wire Braid)
3.	Jacket / Sheath Material	PVC (polyvinyl chloride)
4.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
5.	Voltage Rating (Uo/U)	Up to 1.5 mm2: 300 / 500 V From 2.5 mm2: 450 / 750 V
6.	Oil Resistant	DIN EN 50290-2-22 (TM54)
7.	Temperature Range	-5 C TO +70 C (Occasional movement) -40 C TO +80 C (Fixed installation)
8.	Bending Radius	20 x OD (Flexible application) 6 x OD (Fixed installation)
9.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX 375 SY ARMORED (SY) PVC CONTROL CABLES

Galvanized Steel Wire Braid Shield (GSWB) Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 =Inner Sheath
4 = Galvanized Steel Wire Braid Shield
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.7	3G0.5	C3G0.5SY
4	8.3	4G0.5	C4G0.5SY
5	8.8	5G0.5	C5G0.5SY
7	9.5	7G0.5	C7G0.5SY
12	11.9	12G0.5	C12G0.5SY
20	14.5	20G0.5	C20G0.5SY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.3	3G0.75	C3G0.75SY
4	8.9	4G0.75	C4G0.75SY
5	9.5	5G0.75	C5G0.75SY
7	10.2	7G0.75	C7G0.75SY
12	12.9	12G0.75	C12G0.75SY
20	15.9	20G0.75	C20G0.75SY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.7	3G1.0	C3G1.0SY
4	9.4	4G1.0	C4G1.0SY
5	10.1	5G1.0	C5G1.0SY
7	10.8	7G1.0	C7G1.0SY
12	14.0	12G1.0	C12G1.0SY
20	16.9	20G1.0	C20G1.0SY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.3	3G1.5	C3G1.5SY
4	10.0	4G1.5	C4G1.5SY
5	10.8	5G1.5	C5G1.5SY
7	11.6	7G1.5	C7G1.5SY
12	15.1	12G1.5	C12G1.5SY
20	18.4	20G1.5	C20G1.5SY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.6	3G2.5	C3G2.5SY
4	13.9	4G2.5	C4G2.5SY
5	15.1	5G2.5	C5G2.5SY
7	16.4	7G2.5	C7G2.5SY
9	19.9	9G2.5	C9G2.5SY
12	21.4	12G2.5	C12G2.5SY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.4	3G4	C3G4SY
4	15.7	4G4	C4G4SY
5	17.1	5G4	C5G4SY
7	18.6	7G4	C7G4SY
9	22.7	C9G4	C9G4SY
12	24.5	C12G4	C12G4SY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	15.9	3G6	C3G6SY
4	17.4	4G6	C4G6SY
5	19.0	5G6	C5G6SY
7	20.7	7G6	C7G6SY
9	25.4	9G6	C9G6SY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	18.6	3G10	C3G10SY
4	20.4	4G10	C4G10SY
5	22.3	5G10	C5G10SY
7	24.4	7G10	C7G10SY
9	30.0	9G10	C9G10SY

CONDUCTOR 16.00 MM2

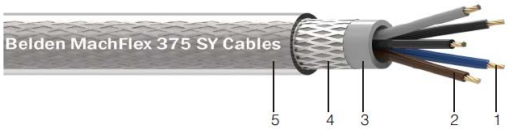
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	23.0	3G16	C3G16SY
4	25.3	4G16	C4G16SY
5	27.9	5G16	C5G16SY

CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	25.9	3G25	C3G25SY
4	28.6	4G25	C4G25SY
5	31.2	5G25	C5G25SY

MACHFLEX 375 SY ARMORED (SY) PVC CONTROL CABLES

Galvanized Steel Wire Braid Shield (GSWB) Cable Without(G) Protective Ground



1 = Conductor
2 = Insulation
3 =Inner Sheath
4 = Galvanized Steel Wire Braid Shield
5 = Outer Sheath

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.7	3X0.5	C3X0.5SY
4	8.3	4X0.5	C4X0.5SY
5	8.8	5X0.5	C5X0.5SY
7	9.5	7X0.5	C7X0.5SY
12	11.9	12X0.5	C12X0.5SY
20	14.5	20X0.5	C20X0.5SY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.3	3X0.75	C3X0.75SY
4	8.9	4X0.75	C4X0.75SY
5	9.5	5X0.75	C5X0.75SY
7	10.2	7X0.75	C7X0.75SY
12	12.9	12X0.75	C12X0.75SY
20	15.9	20X0.75	C20X0.75SY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.7	3X1.0	C3X1.0SY
4	9.4	4X1.0	C4X1.0SY
5	10.1	5X1.0	C5X1.0SY
7	10.8	7X1.0	C7X1.0SY
12	14.0	12X1.0	C12X1.0SY
20	16.9	20X1.0	C20X1.0SY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.3	3X1.5	C3X1.5SY
4	10.0	4X1.5	C4X1.5SY
5	10.8	5X1.5	C5X1.5SY
7	11.6	7X1.5	C7X1.5SY
12	15.1	12X1.5	C12X1.5SY
20	18.4	20X1.5	C20X1.5SY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.6	3X2.5	C3X2.5SY
4	13.9	4X2.5	C4X2.5SY
5	15.1	5X2.5	C5X2.5SY
7	16.4	7X2.5	C7X2.5SY
9	19.9	9X2.5	C9X2.5SY
12	21.4	12X2.5	C12X2.5SY

CONDUCTOR 4.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	14.4	3X4	C3X4SY
4	15.7	4X4	C4X4SY
5	17.1	5X4	C5X4SY
7	18.6	7X4	C7X4SY
9	22.7	9X4	C9X4SY
12	24.5	12X4	C12X4SY

CONDUCTOR 6.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	15.9	3X6	C3X6SY
4	17.4	4X6	C4X6SY
5	19.0	5X6	C5X6SY
7	20.7	7X6	C7X6SY
9	25.4	9X6	C9X6SY

CONDUCTOR 10.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	18.6	3X10	C3X10SY
4	20.4	4X10	C4X10SY
5	22.3	5X10	C5X10SY
7	24.4	7X10	C7X10SY
9	30.0	9X10	C9X10SY

CONDUCTOR 16.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	25.9	3X25	C3X25SY
4	28.6	4X25	C4X25SY
5	31.2	5X25	C5X25SY

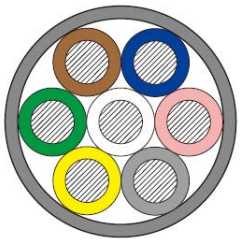
CONDUCTOR 25.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	25.9	3X25	C3X25SY
4	28.6	4X25	C4X25SY
5	31.2	5X25	C5X25SY

MACHFLEX CABLES - LIYY

Unshielded PVC Control & Signal Cables

APPLICATIONS



Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, pressure gauge, temperature controllers, control panels, vibration monitoring systems, intelligent security controllers, production machinery and many more

GENERAL REFERENCE STANDARDS

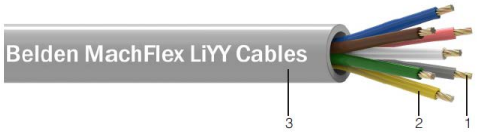
- VDE0812, DIN47100
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), DIN 47100 Color Code
3.	Jacket / Sheath Material	PVC (polyvinyl chloride)
4.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
5.	Voltage Rating (Uo/U)	At 0.14 mm2: 350 V ≥ 0.25 mm2: 500 V
6.	Oil Resistant	DIN EN 50290-2-22 (TM54)
7.	Temperature Range	-5°C TO +70°C (Occasional movement) -40°C TO +80°C (Fixed installation)
8.	Bending Radius	15 x OD (Occasional movement) 6 x OD (Fixed installation)
9.	Nom. Mutual Capacitance	120 nF/km
10.	Nom. Inductivity	0.50 mH/km
11.	Insulation Resistance	> 20 GOhm x cm
12.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX 375 SY ARMORED (SY) PVC CONTROL CABLES

Galvanized Steel Wire Braid Shield (GSWB) Cable With (G) Protective Ground



1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.14 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	3.5	3X0.14	3C0.14YY
4	3.8	4X0.14	4C0.14YY
5	4.1	5X0.14	5C0.14YY
7	4.5	7X0.14	7C0.14YY
12	5.9	12X0.14	12C0.14YY
20	7.3	20X0.14	20C0.14YY

CONDUCTOR 0.25 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.0	3X0.25	3C0.25YY
4	4.4	4X0.25	4C0.25YY
5	4.7	5X0.25	5C0.25YY
7	5.2	7X0.25	7C0.25YY
12	7.1	12X0.25	12C0.25YY
20	8.6	20X0.25	20C0.25YY

CONDUCTOR 0.34 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.4	3X0.34	3C0.34YY
4	5.0	4X0.34	4C0.34YY
5	5.4	5X0.34	5C0.34YY
7	5.9	7X0.34	7C0.34YY
12	7.8	12X0.34	12C0.34YY
20	9.6	20X0.34	20C0.34YY

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.0	3X0.5	3C0.5YY
4	5.6	4X0.5	4C0.5YY
5	6.1	5X0.5	5C0.5YY
7	7.0	7X0.5	7C0.5YY
12	9.0	12X0.5	12C0.5YY
20	11.5	20X0.5	20C0.5YY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.7	3X0.75	3C0.75YY
4	6.2	4X0.75	4C0.75YY
5	7.1	5X0.75	5C0.75YY
7	7.7	7X0.75	7C0.75YY
9	9.2	9X0.75	9C0.75YY
20	12.6	20X0.75	20C0.75YY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.0	6.0	3C1.0YY
4	6.6	6.6	4C1.0YY
5	7.4	7.4	5C1.0YY
7	8.2	8.2	7C1.0YY
9	10.3	10.3	9C1.0YY
20	13.5	13.5	20C1.0YY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.9	3X1.5	3C1.5YY
4	7.8	4X1.5	4C1.5YY
5	8.7	5X1.5	5C1.5YY
7	9.6	7X1.5	7C1.5YY
9	11.9	9X1.5	9C1.5YY
20	16.5	20X1.5	20C1.5YY

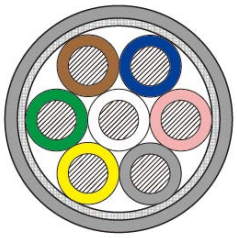
CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.9	3X2.5	3C2.5YY
4	8.9	4X2.5	4C2.5YY
5	9.9	5X2.5	5C2.5YY
7	11.2	7X2.5	7C2.5YY
9	14.0	9X2.5	9C2.5YY
20	19.4	20X2.5	20C2.5YY

MACHFLEX CABLES - LIYCY

Shielded (CY) PVC Control & Signal Cables

Tinned Copper Braid Shield (TCB) – Excellent Noise Immunity Applications



APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.

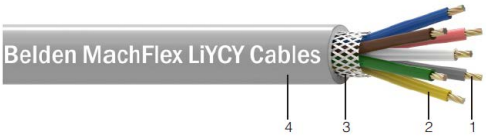
GENERAL REFERENCE STANDARDS

- VDE0812, DIN47100
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), DIN 47100 Color Code
3.	Braid Shielded Material	Tinned Copper
4.	Jacket / Sheath Material	PVC (polyvinyl chloride)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	At 0.14 mm2: 350 V ≥ 0.25 mm2: 500 V
7.	Oil Resistant	DIN EN 50290-2-22 (TM54)
8.	Temperature Range	-5°C TO +70°C (Occasional movement) -40°C TO +80°C (Fixed installation)
9.	Bending Radius	15 x OD (Occasional movement) 6 x OD (Fixed installation)
10.	Nom. Mutual Capacitance	120 nF/km
11.	Nom. Inductivity	0.50 mH/km
12.	Insulation Resistance	> 20 GOhm x cm
13.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX LIYCY SHIELDED (CY) PVC CONTROL & SIGNAL CABLES - LIYCY



1 = Conductor
2 = Insulation
3 = Tinned Copper Braid Shielded
4 = Outer Sheath

CONDUCTOR 0.14 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.1	3X0.14	3C0.14YCY
4	4.4	4X0.14	4C0.14YCY
5	4.8	5X0.14	5C0.14YCY
7	5.1	7X0.14	7C0.14YCY
12	6.5	12X0.14	12C0.14YCY
20	7.9	20X0.14	20C0.14YCY

CONDUCTOR 0.25 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.9	3X0.25	3C0.25YCY
4	5.2	4X0.25	4C0.25YCY
5	5.6	5X0.25	5C0.25YCY
7	6.0	7X0.25	7C0.25YCY
12	7.8	12X0.25	12C0.25YCY
20	9.4	20X0.25	20C0.25YCY

CONDUCTOR 0.34 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.3	3X0.34	3C0.34YCY
4	5.6	4X0.34	4C0.34YCY
5	6.5	5X0.34	5C0.34YCY
7	6.9	7X0.34	7C0.34YCY
12	8.6	12X0.34	12C0.34YCY
20	10.9	20X0.34	20C0.34YCY

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.1	3X0.5	3C0.5YCY
4	6.5	4X0.5	4C0.5YCY
5	7.2	5X0.5	5C0.5YCY
7	7.7	7X0.5	7C0.5YCY
12	9.9	12X0.5	12C0.5YCY
20	12.3	20X0.5	20C0.5YCY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.5	3X0.75	3C0.75YCY
4	7.0	4X0.75	4C0.75YCY
5	7.7	5X0.75	5C0.75YCY
7	8.3	7X0.75	7C0.75YCY
9	10.3	9X0.75	9C0.75YCY
20	13.9	20X0.75	20C0.75YCY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.9	3X1.0	3C1.0YCY
4	7.4	4X1.0	4C1.0YCY
5	8.0	5X1.0	5C1.0YCY
7	8.8	7X1.0	7C1.0YCY
9	10.5	9X1.0	9C1.0YCY
20	14.4	20X1.0	20C1.0YCY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.6	3X1.5	3C1.5YCY
4	8.2	4X1.5	4C1.5YCY
5	8.9	5X1.5	5C1.5YCY
7	9.7	7X1.5	7C1.5YCY
9	11.7	9X1.5	9C1.5YCY
20	16.1	20X1.5	20C1.5YCY

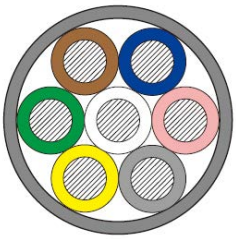
CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.0	3X2.5	3C2.5YCY
4	9.7	4X2.5	4C2.5YCY
5	10.8	5X2.5	5C2.5YCY
7	11.7	7X2.5	7C2.5YCY
9	14.5	9X2.5	9C2.5YCY
20	19.5	20X2.5	20C2.5YCY

MACHFLEX CABLES - LIHH

Unshielded LSZH Control & Signal Cables

APPLICATIONS



Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, pressure gauge, temperature controllers, control panels, vibration monitoring systems, intelligent security controllers, production machinery and many more

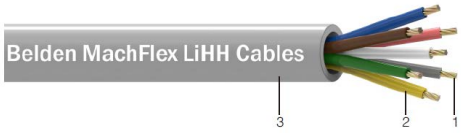
GENERAL REFERENCE STANDARDS

- VDE0812, DIN47100
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PE (polyethylene), DIN 47100 Color Code
3.	Jacket / Sheath Material	LSZH (low smoke halogen□free)
4.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
5.	Voltage Rating (Uo/U)	At 0.14 mm2: 350 V ≥ 0.25 mm2: 500 V
6.	Oil Resistant	IEC 60811-404
7.	Temperature Range	-5°C TO +70°C (Occasional movement) -30°C TO +80°C (Fixed installation)
8.	Bending Radius	10 x OD (Occasional movement) 6 x OD (Fixed installation)
9.	Nom. Mutual Capacitance	80 nF/km
10.	Nom. Inductivity	0.65 mH/km
11.	Insulation Resistance	> 20 GOhm x cm
12.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX LIHH UNSHIELDED LSZH CONTROL & SIGNAL CABLES - LIHH



1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.14 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	3.5	3X0.14	3C0.14HH
4	3.8	4X0.14	4C0.14HH
5	4.1	5X0.14	5C0.14HH
7	4.5	7X0.14	7C0.14HH
12	5.9	12X0.14	12C0.14HH
20	7.3	20X0.14	20C0.14HH

CONDUCTOR 0.25 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.0	3X0.25	3C0.25HH
4	4.4	4X0.25	4C0.25HH
5	4.8	5X0.25	5C0.25HH
7	5.2	7X0.25	7C0.25HH
12	7.1	12X0.25	12C0.25HH
20	8.7	20X0.25	20C0.25HH

CONDUCTOR 0.34 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.4	3X0.34	3C0.34HH
4	5.0	4X0.34	4C0.34HH
5	5.4	5X0.34	5C0.34HH
7	5.8	7X0.34	7C0.34HH
12	7.9	12X0.34	12C0.34HH
20	9.6	20X0.34	20C0.34HH

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.0	3X0.5	3C0.5HH
4	5.6	4X0.5	4C0.5HH
5	6.1	5X0.5	5C0.5HH
7	7.0	7X0.5	7C0.5HH
12	9.0	12X0.5	12C0.5HH
20	11.5	20X0.5	20C0.5HH

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.7	3X0.75	3C0.75HH
4	6.2	4X0.75	4C0.75HH
5	7.1	5X0.75	5C0.75HH
7	7.7	7X0.75	7C0.75HH
9	9.2	9X0.75	9C0.75HH
20	12.6	20X0.75	20C0.75HH

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.0	3X1.0	3C1.0HH
4	6.6	4X1.0	4C1.0HH
5	7.4	5X1.0	5C1.0HH
7	8.2	7X1.0	7C1.0HH
9	10.3	9X1.0	9C1.0HH
20	13.5	20X1.0	20C1.0HH

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.9	3X1.5	3C1.5HH
4	7.8	4X1.5	4C1.5HH
5	8.7	5X1.5	5C1.5HH
7	9.6	7X1.5	7C1.5HH
9	11.9	9X1.5	9C1.5HH
20	16.5	20X1.5	20C1.5HH

CONDUCTOR 2.50 MM2

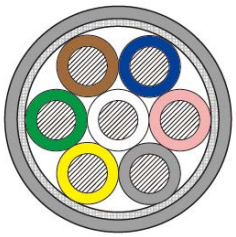
NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.9	3X2.5	3C2.5HH
4	8.9	4X2.5	4C2.5HH
5	9.9	5X2.5	5C2.5HH
7	11.3	7X2.5	7C2.5HH
9	14.1	9X2.5	9C2.5HH
12	15.5	12X2.5	12C2.5HH

MACHFLEX CABLES - LIHCH

Shielded (CH) LSZH Control & Signal Cables

Tinned Copper Braid Shield (TCB) – Excellent Noise Immunity

APPLICATIONS



Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.

GENERAL REFERENCE STANDARDS

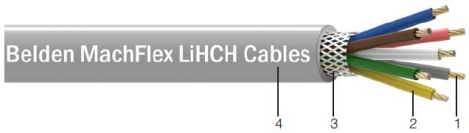
- VDE0812, DIN47100
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PE (polyethylene), DIN 47100 Color Code
3.	Braid Shielded Material	Tinned Copper
4.	Jacket / Sheath Material	LSZH (low smoke halogen□free)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	At 0.14 mm2: 350 V ≥ 0.25 mm2: 500 V
7.	Oil Resistant	IEC 60811-404
8.	Temperature Range	-5°C TO +70°C (Occasional movement) -30°C TO +80°C (Fixed installation)
9.	Bending Radius	10 x OD (Occasional movement) 6 x OD (Fixed installation)
10.	Nom. Mutual Capacitance	80 nF/km
11.	Nom. Inductivity	0.65mH/km
12.	Insulation Resistance	> 20 GOhm x cm
13.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX LIHCH SHIELDED (CH) LSZH CONTROL & SIGNAL CABLES - LIHCH

Tinned Copper Braid Shielded Cable



1 = Conductor
2 = Insulation
3 = Tinned Copper Braid Shielded
4 = Outer Sheath

CONDUCTOR 0.14 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.1	3X0.14	3C0.14HCH
4	4.4	4X0.14	4C0.14HCH
5	4.8	5X0.14	5C0.14HCH
7	5.1	7X0.14	7C0.14HCH
12	6.5	12X0.14	12C0.14HCH
20	7.9	20X0.14	20C0.14HCH

CONDUCTOR 0.25 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	4.9	3X0.25	3C0.25HCH
4	5.2	4X0.25	4C0.25HCH
5	5.6	5X0.25	5C0.25HCH
7	6.0	7X0.25	7C0.25HCH
12	7.8	12X0.25	12C0.25HCH
20	9.4	20X0.25	20C0.25HCH

CONDUCTOR 0.34 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.3	3X0.34	3C0.34HCH
4	5.6	4X0.34	4C0.34HCH
5	6.5	5X0.34	5C0.34HCH
7	6.9	7X0.34	7C0.34HCH
12	8.6	12X0.34	12C0.34HCH
20	10.9	20X0.34	20C0.34HCH

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.1	3X0.5	3C0.5HCH
4	6.5	4X0.5	4C0.5HCH
5	7.2	5X0.5	5C0.5HCH
7	7.7	7X0.5	7C0.5HCH
12	9.9	12X0.5	12C0.5HCH
20	12.3	20X0.5	20C0.5HCH

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.5	3X0.75	3C0.75HCH
4	7.0	4X0.75	4C0.75HCH
5	7.7	5X0.75	5C0.75HCH
7	8.3	7X0.75	7C0.75HCH
9	10.3	9X0.75	9C0.75HCH
20	13.9	20X0.75	20C0.75HCH

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.9	3X1.0	3C1.0HCH
4	7.4	4X1.0	4C1.0HCH
5	8.0	5X1.0	5C1.0HCH
7	8.8	7X1.0	7C1.0HCH
9	10.5	9X1.0	9C1.0HCH
20	14.4	20X1.0	20C1.0HCH

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.6	3X1.5	3C1.5HCH
4	8.2	4X1.5	4C1.5HCH
5	8.9	5X1.5	5C1.5HCH
7	9.7	7X1.5	7C1.5HCH
9	11.7	9X1.5	9C1.5HCH
20	16.1	20X1.5	20C1.5HCH

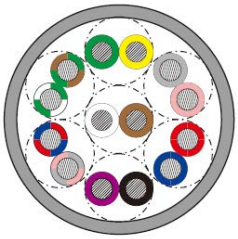
CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.0	3X2.5	3C2.5HCH
4	9.7	4X2.5	4C2.5HCH
5	10.8	5X2.5	5C2.5HCH
7	11.7	7X2.5	7C2.5HCH
9	14.6	9X2.5	9C2.5HCH
12	15.8	12X2.5	12C2.5HCH

MACHFLEX CABLES - LIYY(TP)

Unshielded Instrumentation Cables

APPLICATIONS



Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, pressure gauge, temperature controllers, control panels, vibration monitoring systems, intelligent security controllers, production machinery and many more.

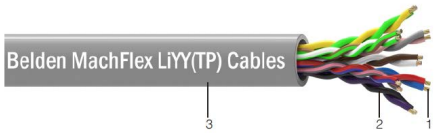
GENERAL REFERENCE STANDARDS

- VDE0812 ,DIN47100
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), DIN 47100 Color Code
3.	Jacket / Sheath Material	PVC (polyvinyl chloride)
4.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
5.	Voltage Rating (Uo/U)	At 0.14 mm2: 350 V ≥ 0.25 mm2: 1500 V
6.	Oil Resistant	DIN EN 50290-2-22 (TM54)
7.	Temperature Range	-5°C TO +70°C (Occasional movement) -40°C TO +80°C (Fixed installation)
8.	Bending Radius	15 x OD (Occasional movement) 6 x OD (Fixed installation)
9.	Nom. Mutual Capacitance	120 nF/km
10.	Nom. Inductivity	0.50 mH/km
11.	Insulation Resistance	> 20 GOhm x cm
12.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX LIYY(TP) UNSHIELDED PVC INSTRUMENTATION CABLES - LIYY(TP)



1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.14 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.5	3X2X0.14	3P0.14YY
4	6.1	4X2X0.14	4P0.14YY
5	6.7	5X2X0.14	5P0.14YY
7	7.6	7X2X0.14	7P0.14YY
12	10.1	12X2X0.14	12P0.14YY
20	12.3	20X2X0.14	20P0.14YY

CONDUCTOR 0.25 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.1	3X2X0.25	3P0.25YY
4	6.8	4X2X0.25	4P0.25YY
5	7.7	5X2X0.25	5P0.25YY
7	8.5	7X2X0.25	7P0.25YY
12	11.4	12X2X0.25	12P0.25YY
20	14.3	20X2X0.25	20P0.25YY

CONDUCTOR 0.34 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.5	3X2X0.34	3P0.34YY
4	7.2	4X2X0.34	4P0.34YY
5	7.9	5X2X0.34	5P0.34YY
7	9.0	7X2X0.34	7P0.34YY
12	12.1	12X2X0.34	12P0.34YY
20	14.7	20X2X0.34	20P0.34YY

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.5	3X2X0.5	3P0.5YY
4	8.6	4X2X0.5	4P0.5YY
5	9.5	5X2X0.5	5P0.5YY
7	10.5	7X2X0.5	7P0.5YY
12	14.1	12X2X0.5	12P0.5YY
20	17.9	20X2X0.5	20P0.5YY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.4	3X2X0.75	3P0.75YY
4	9.3	4X2X0.75	4P0.75YY
5	10.2	5X2X0.75	5P0.75YY
7	11.7	7X2X0.75	7P0.75YY
9	14.4	9X2X0.75	9P0.75YY
20	19.9	20X2X0.75	20P0.75YY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.0	3X2X1.0	3P1.0YY
4	10.0	4X2X1.0	4P1.0YY
5	11.0	5X2X1.0	5P1.0YY
7	12.2	7X2X1.0	7P1.0YY
9	15.2	9X2X1.0	9P1.0YY
20	21.0	20X2X1.0	20P1.0YY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	10.6	3X2X1.5	3P1.5YY
4	11.8	4X2X1.5	4P1.5YY
5	13.1	5X2X1.5	5P1.5YY
7	14.8	7X2X1.5	7P1.5YY
9	18.6	9X2X1.5	9P1.5YY
20	25.8	20X2X1.5	20P1.5YY

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.8	3X2X2.5	3P2.5YY
4	14.2	4X2X2.5	4P2.5YY
5	15.9	5X2X2.5	5P2.5YY
7	17.5	7X2X2.5	7P2.5YY
9	22.0	9X2X2.5	9P2.5YY
12	23.9	12X2X2.5	12P2.5YY

MACHFLEX CABLES - LIYCY(TP)

Shielded (CY) PVC Instrumentation Cables

Tinned Copper Braid Shield (TCB) – Excellent Noise Immunity

APPLICATIONS

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.

GENERAL REFERENCE STANDARDS

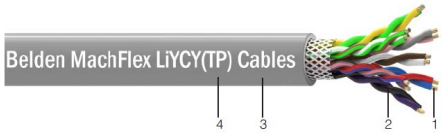
- VDE0812 ,DIN47100
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PVC (polyvinyl chloride), DIN 47100 Color Code
3.	Braid Shielded Material	Tinned Copper
4.	Jacket / Sheath Material	PVC (polyvinyl chloride)
5.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
6.	Voltage Rating (Uo/U)	At 0.14 mm2: 350 V ≥ 0.25 mm2: 500 V
7.	Oil Resistant	DIN EN 50290-2-22 (TM54)
8.	Temperature Range	-5°C TO +70°C (Occasional movement) -40°C TO +80°C (Fixed installation)
9.	Bending Radius	15 x OD (Occasional movement) 6 x OD (Fixed installation)
10.	Nom. Mutual Capacitance	120 nF/km
11.	Nom. Inductivity	0.50 mH/km
12.	Insulation Resistance	> 20 GOhm x cm
13.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX LIYCY(TP) SHIELDED (CY) PVC INSTRUMENTATION CABLES - LIYCY(TP)

Tinned Copper Braid Shielded Cable



1 = Conductor
2 = Insulation
3 = Tinned Copper Braid Shielded
4 = Outer Sheath

CONDUCTOR 0.14 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.5	3X2X0.14	3P0.14YCY
4	7.0	4X2X0.14	4P0.14YCY
5	7.6	5X2X0.14	5P0.14YCY
7	8.3	7X2X0.14	7P0.14YCY
12	10.5	12X2X0.14	12P0.14YCY
20	13.1	20X2X0.14	20P0.14YCY

CONDUCTOR 0.25 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.8	3X2X0.25	3P0.25YCY
4	7.5	4X2X0.25	4P0.25YCY
5	8.5	5X2X0.25	5P0.25YCY
7	9.2	7X2X0.25	7P0.25YCY
12	11.7	12X2X0.25	12P0.25YCY
20	14.7	20X2X0.25	20P0.25YCY

CONDUCTOR 0.34 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.2	3X2X0.34	3P0.34YCY
4	7.9	4X2X0.34	4P0.34YCY
5	8.6	5X2X0.34	5P0.34YCY
7	9.7	7X2X0.34	7P0.34YCY
12	12.9	12X2X0.34	12P0.34YCY
20	16.1	20X2X0.34	20P0.34YCY

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.2	3X2X0.5	3P0.5YCY
4	9.0	4X2X0.5	4P0.5YCY
5	9.9	5X2X0.5	5P0.5YCY
7	10.8	7X2X0.5	7P0.5YCY
12	14.5	12X2X0.5	12P0.5YCY
20	18.1	20X2X0.5	20P0.5YCY

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.0	3X2X0.75	3P0.75YCY
4	9.9	4X2X0.75	4P0.75YCY
5	10.9	5X2X0.75	5P0.75YCY
7	12.0	7X2X0.75	7P0.75YCY
9	14.8	9X2X0.75	9P0.75YCY
20	20.1	20X2X0.75	20P0.75YCY

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.7	3X2X1.0	3P1.0YCY
4	10.7	4X2X1.0	4P1.0YCY
5	11.7	5X2X1.0	5P1.0YCY
7	13.0	7X2X1.0	7P1.0YCY
9	16.0	9X2X1.0	9P1.0YCY
20	21.9	20X2X1.0	20P1.0YCY

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	11.3	3X2X1.5	3P1.5YCY
4	12.6	4X2X1.5	4P1.5YCY
5	13.9	5X2X1.5	5P1.5YCY
7	15.2	7X2X1.5	7P1.5YCY
9	18.8	9X2X1.5	9P1.5YCY
20	25.9	20X2X1.5	20P1.5YCY

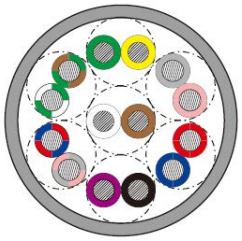
CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	13.2	3X2X2.5	3P2.5YCY
4	14.6	4X2X2.5	4P2.5YCY
5	16.1	5X2X2.5	5P2.5YCY
7	17.7	7X2X2.5	7P2.5YCY
9	22.1	9X2X2.5	9P2.5YCY
12	24.0	12X2X2.5	12P2.5YCY

MACHFLEX CABLES - LIHH(TP)
UNSHIELDED LSZH INSTRUMENTATION CABLES

Tinned Copper Braid Shield (TCB) – Excellent Noise Immunity

APPLICATIONS



Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, pressure gauge, temperature controllers, control panels, vibration monitoring systems, intelligent security controllers, production machinery and many more

GENERAL REFERENCE STANDARDS

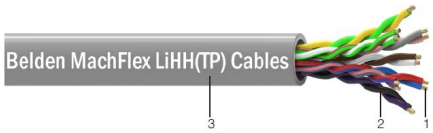
- DIN VDE 0295, IEC 60228, BS 6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- IEC 60227-5, EN 50525-2-51
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS & REACH Directives

CONSTRUCTION AND PERFORMANCE

1.	Conductor Material	Stranded bare copper (DIN VDE 0295 Class 5)
2.	Insulation Material & Colour	PE (polyethylene), DIN 47100 Color Code
3.	Jacket / Sheath Material	LSZH (low smoke halogen□free)
4.	Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
5.	Voltage Rating (Uo/U)	At 0.14 mm2: 350 V ≥ 0.25 mm2: 500 V
6.	Oil Resistant	IEC 60811-404
7.	Temperature Range	-5°C TO +70°C (Occasional movement) -30°C TO +80°C (Fixed installation)
8.	Bending Radius	10 x OD (Occasional movement) 6 x OD (Fixed installation)
9.	Nom. Mutual Capacitance	80 nF/km
10.	Nom. Inductivity	0.65 mH/km
11.	Insulation Resistance	> 20 GOhm x cm
12.	Other Properties	Good UV resistance, chemical resistance & flexibility

MACHFLEX LIYCY(TP) SHIELDED (CY) PVC INSTRUMENTATION CABLES - LIYCY(TP)

Tinned Copper Braid Shielded Cable



1 = Conductor
2 = Insulation
3 = Sheath

CONDUCTOR 0.14 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	5.5	3X2X0.14	3P0.14HH
4	6.1	4X2X0.14	4P0.14HH
5	6.7	5X2X0.14	5P0.14HH
7	7.3	7X2X0.14	7P0.14HH
12	9.8	12X2X0.14	12P0.14HH
20	12.3	20X2X0.14	20P0.14HH

CONDUCTOR 0.25 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.1	3X2X0.25	3P0.25HH
4	6.8	4X2X0.25	4P0.25HH
5	7.5	5X2X0.25	5P0.25HH
7	8.2	7X2X0.25	7P0.25HH
12	11.0	12X2X0.25	12P0.25HH
20	13.9	20X2X0.25	20P0.25HH

CONDUCTOR 0.34 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	6.5	3X2X0.34	3P0.34HH
4	7.2	4X2X0.34	4P0.34HH
5	7.9	5X2X0.34	5P0.34HH
7	8.7	7X2X0.34	7P0.34HH
12	11.7	12X2X0.34	12P0.34HH
20	14.7	20X2X0.34	20P0.34HH

CONDUCTOR 0.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	7.5	3X2X0.5	3P0.5HH
4	8.3	4X2X0.5	4P0.5HH
5	9.2	5X2X0.5	5P0.5HH
7	10.1	7X2X0.5	7P0.5HH
12	13.7	12X2X0.5	12P0.5HH
20	17.3	20X2X0.5	20P0.5HH

CONDUCTOR 0.75 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	8.4	3X2X0.75	3P0.75HH
4	9.3	4X2X0.75	4P0.75HH
5	10.2	5X2X0.75	5P0.75HH
7	11.3	7X2X0.75	7P0.75HH
9	14.0	9X2X0.75	9P0.75HH
12	15.3	12X2X0.75	12P0.75HH

CONDUCTOR 1.00 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	9.0	3X2X1.0	3P1.0HH
4	10.0	4X2X1.0	4P1.0HH
5	11.0	5X2X1.0	5P1.0HH
7	12.2	7X2X1.0	7P1.0HH
9	15.2	9X2X1.0	9P1.0HH
12	16.5	12X2X1.0	12P1.0HH

CONDUCTOR 1.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	10.6	3X2X1.5	3P1.5HH
4	11.8	4X2X1.5	4P1.5HH
5	13.1	5X2X1.5	5P1.5HH
7	14.4	7X2X1.5	7P1.5HH

CONDUCTOR 2.50 MM2

NO. OF CORES	NOM. OVERALL DIAMETER (MM)	CABLE DESCRIPTION	PART NUMBER
3	12.4	3X2X2.5	3P2.5HH
4	13.8	4X2X2.5	4P2.5HH
5	15.3	5X2X2.5	5P2.5HH
7	16.9	7X2X2.5	7P2.5HH

OUR LOCATIONS

National footprint with strategic local stockholdings.

APS Industrial is headquartered in Melbourne and in addition has a national network of offices in Adelaide, Perth, Sydney, Brisbane and Tasmania supported by strategic local stockholdings and expert technical and application knowledge.

apsindustrial.com.au

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