





Part Number: ZV13TKS24

24P1.5mm² MGT/XLP/IS/OS/LSZH/GSWA/LSZH 500 V

Product Description

Fire Resistant Instrumentation Cable, 24 Pairs 1.5mm² Bare Copper, Mica Glass Tape (MGT), XLP Insulation, Individual & Overall foil shield with drain wire, LSZH Inner Jacket, Galvanized Steel Wire Armor, LSZH Outer Jacket, BS EN 50288-7, BS 6387 CWZ

Technical Specifications

Physical Characteristics (Overall)

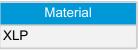
Conductor

Area	Material	No. of Pairs
1.5 mm ²	BC-Bare Copper (Stranded)	24

Fire Protection Barrier

Туре	Material	Coverage [%]
Таре	Mica Glass Tape (MGT)	100 %

Insulation



Color Chart

No. of Pairs	Color
24	White & Black, All the cores with number coding 1~24

Individual Shield or Un-shield Material

Туре	Material	Drain Wire Material	Coverage [%]
Таре	Polyester Tape		100 %
Shield Tape	Aluminium Mylar Tape	Tinned Copper	100 %

Overall Shield or Un-shield Material

Туре	Material	Drain Wire Material	Coverage [%]
Таре	Polyester Tape		100 %
Shield Tape	Aluminium Mylar Tape	Tinned Copper	100 %

Inner Jacket Material

Material	Nominal Diameter
LSZH	44.2 mm







Armour Material

Туре	Material	Nominal Diameter
Armour	Galvanized Steel wire	48.2 mm

Outer Jacket Material

Material	Nominal Diameter
LSZH	52.6 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR @ 20 °C
13.57 Ohm/km

Capacitance

Nom. Capacitance Core to Core

< 150 nF/km

Inductance

Nominal Inductance <= 1 mH/km

Inductance to Resistance Ratio L/R

Max. Inductance to Resistance Ratio L/R	
< 40 µH/Ohm	
Voltage	_
Voltage Rating	500 V
Temperature Range	
Operating Temp. range	-30 °C To + 90 °C (EN)
Mechanical Characteristics	
Bulk Cable Weight	3912 kg/km

Standards

Cable Standards

EN 50288-7

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV)	Yes
EU Directive 2003/96/EC (BFR)	Yes
EU Directive 2011/65/EU (ROHS II)	Yes
EU Directive 2012/19/EU (WEEE)	Yes
EU Directive 2015/863/EU	Yes







EU CE Mark	Yes
CA Prop 65 (CJ for Wire and Cable)	Yes
MII Order 39 (China RoHS)	Yes

Suitability

Suitability - UV Resistance	Yes (UL 1581)
Suitability - Oil Resistance	Yes

Flammability, LSZH, Toxicity Testing

ISO/IEC Flammability	IEC 60332-3-24 , IEC 60332-1-2
Fire Resistant Rating	BS 6387 CWZ
Smoke Density as per IEC 61034-2	<= 60 %
Halogen Acid Gas as per IEC 60754-1	<= 0.5 %
pH Content as per IEC 60754-2	>= 4.3
Conductivity as per IEC 60754-2	<= 10 µS/mm

History

Update and Revision

Revision number: 0 Revision Date: 12-3-2020

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