





# Part Number: ZV13TKS24

24P1.5mm<sup>2</sup> MGT/XLP/IS/OS/LSZH/GSWA/LSZH 500 V

# **Product Description**

Fire Resistant Instrumentation Cable, 24 Pairs 1.5mm<sup>2</sup> 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)**

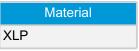
## Conductor

Area	Material	No. of Pairs
1.5 mm <sup>2</sup>	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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