



Part Number: ZA115FF01
1P1mm² MGT/PVC/OS/FRPVC 300 V

Product Description

Fire Resistant Instrumentation Cable, 1 Pair 1mm² Bare Copper, Mica Glass Tape (MGT), PVC Insulation, Overall foil shield with drain wire, FRPVC Outer Jacket, BS EN 50288-7, BS 6387 CWZ

Technical Specifications

Physical Characteristics (Overall)

Conductor

Area	Material	No. of Pairs
1.0 mm ²	BC-Bare Copper (Stranded)	1

Fire Protection Barrier

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

Insulation

Material
PVC

Color Chart

No. of Pairs	Color
1	White & Black

Overall Shield or Un-shield Material

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

Outer Jacket Material

Material	Nominal Diameter
PVC	7.7 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR @ 20 °C
19.89 Ohm/km

Capacitance

Nom. Capacitance Core to Core

< 250 nF/km

Inductance

Nominal Inductance

<= 1 mH/km

Inductance to Resistance Ratio L/R

Max. Inductance to Resistance Ratio L/R

< 25 μ H/Ohm

Voltage

Voltage Rating	300 V
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Temperature Range

Operating Temp. range	-30 °C To + 70 °C (EN)
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Mechanical Characteristics

Bulk Cable Weight	69 kg/km
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Standards

Cable Standards	EN 50288-7
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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

History

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