



Part Number: BE35CIU02
2C1.5mm² MGT/XLP/LSZH 500 V

Product Description

Fire Resistant Control Cable, 2 Cores 1.5mm² Bare Copper, Mica Glass Tape (MGT), XLP Insulation, LSZH Outer Jacket, BS EN 50288-7, BS 6387 AWX

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Fire Protection Barrier

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

Insulation

Material
XLP

Color Chart

No. of Conductors	Color
2	Light Blue & Black

Overall Shield or Un-shield Material

Type	Material	Coverage [%]
Tape	Polyester Tape	100 %

Outer Jacket Material

Material	Nominal Diameter
LSZH	8.7 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR @ 20 °C
12.1 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 μ H/Ohm

Voltage

Voltage Rating	500 V
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Temperature Range

Operating Temp. range	-30 °C To + 90 °C (EN)
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Mechanical Characteristics

Bulk Cable Weight	90
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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 , IEC60332-1-2
Fire Resistant Rating	BS 6387 AWX
Smoke Density as per IEC 61034-2	60% (Min. Light Transmittance %)
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 μ S/mm

History

Update and Revision	Revision number: 0 Revision Date: 18-5-2020
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