

**Part Number: BE37CIU03**  
3C2.5mm<sup>2</sup> MGT/XLP/LSZH 500 V

## Product Description

Fire Resistant Control Cable, 3 Cores 2.5mm<sup>2</sup> Bare Copper, Mica Glass Tape (MGT), XLP Insulation, LSZH Outer Jacket, BS EN 50288-7, BS 6387 AWX

## Technical Specifications

### Physical Characteristics (Overall)

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#### Conductor

Area	Material	No. of Conductors
2.5 mm <sup>2</sup>	BC-Bare Copper (Stranded)	3

#### Fire Protection Barrier

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

#### Insulation

Material
XLP

#### Color Chart

No. of Conductors	Color
3	Light Blue, Black + Yellow/Green

#### Overall Shield or Un-shield Material

Type	Material	Coverage [%]
Tape	Polyester Tape	100 %

#### Outer Jacket Material

Material	Nominal Diameter
LSZH	10.8 mm

### Electrical Characteristics

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#### Conductor DCR

Nominal Conductor DCR @ 20 °C
7.41 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

< 60  $\mu$ 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	164
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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 $\mu$ S/mm

## History

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