



**Part Number: ML11WBU03**

3C1mm<sup>2</sup> XLPE/LSZH/GSWA/SHF1 150/250 V (300 V)

**Product Description**

Marine Control Cable, 3 Cores 1.0mm<sup>2</sup> Bare Copper, XLPE Insulation, LSZH Inner Jacket, Galvanized Steel Wire Armor, SHF1 Outer Jacket, IEC 60092-376

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

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

**Insulation**

Material
XL-PE

**Color Chart**

No. of Conductors	Color
3	Black, All the cores with number coding 1~3

**Overall Shield or Un-shield Material**

Type	Material	Coverage [%]
Tape	Polyester Tape	100 %

**Inner Jacket Material**

Material	Nominal Diameter
LSZH	7 mm

**Armour Material**

Type	Material	Nominal Diameter
Armour	Galvanized Steel wire	8.6 mm

**Outer Jacket Material**

Material	Nominal Diameter
LSZH	10.7 mm

**Electrical Characteristics**

**Conductor DCR**

## Nominal Conductor DCR @ 20 °C

20.29 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

< 25 µH/Ohm

## Voltage

Voltage Rating	150/250 V (300 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	217 kg/km
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## Standards

Cable Standards	IEC 60092-376
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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 60332-3-22 , IEC 60332-1-2
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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 $\mu$ S/mm

## History

Update and Revision	Revision number: 0 Revision Date: 4-12-2019
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