



Part Number: MJ11WKF02

2P1mm² XLPE/OS/LSZH/GSWA/SHF1 150/250 V (300 V)

Product Description

Marine Instrumentation Cable, 2 Pairs 1.0mm² Bare Copper, XLPE Insulation, Overall foil shield with drain wire, LSZH Inner Jacket, Galvanized Steel Wire Armor, SHF1 Outer Jacket, IEC 60092-376

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Insulation

Material
XL-PE

Color Chart

No. of Pairs	Color
2	White & Black, All the cores with number coding 1~2

Overall Shield or Un-shield Material

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

Inner Jacket Material

Material	Nominal Diameter
LSZH	9.7 mm

Armour Material

Type	Material	Nominal Diameter
Armour	Galvanized Steel wire	11.3 mm

Outer Jacket Material

Material	Nominal Diameter
LSZH	13.6 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR @ 20 °C

20.7 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)
----------------	-------------------

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight	312 kg/km
-------------------	-----------

Standards

Cable Standards	IEC 60092-376
-----------------	---------------

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
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 μ S/mm

History

Update and Revision	Revision number: 0 Revision Date: 19-2-2020
---------------------	---

© 2020 Belden, Inc
All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.