



Product: [ZA29HKU02](#)



2P0.5mm2 XLP/LSZH B1 Fire Resistance cable

Product Description

2P0.5mm2, Stranded bare copper conductor, wrapped with mica tape binder, XLPE Insulated, 2 Cores twisted together to form a pair & Overall single LSZH Jacket

Technical Specifications

Product Overview

Suitable Applications:	Fire resistant cable for Control Applications up to 300V
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Material
Conductor(s)	4	0.5 mm <sup>2</sup>	BC - Bare Copper

Insulation

Material	Color Code
XLPE	Black 1, White 1, Black 2, White 2

Inner Jacket Table Notes:	All pairs laid up together & binded by Non-woven tape binder
---------------------------	--

Outer Jacket

Material
LSZH - Low Smoke Zero Halogen (Flame Retardant)

Overall Cable Diameter (Nominal):	11.9 mm (0.469 in)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Max. Conductor DCR
36.72 Ω/km @ 20°C

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating
-30°C To +90°C

Bulk Cable Weight:	122 kg/km (82.0 lbs/1000ft)
--------------------	-----------------------------

Standards and Compliance

GB Compliance:	GB 31247 B1 (d0, t1, a1)
ISO/IEC Compliance:	Smoke Density as per IEC 61034-2
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = 0.5%, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 4.3 , IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 10

Product Notes

Notes:	EN 50228-7, IEC 60332-3C
--------	--------------------------

History

Update and Revision:	Revision Number: 0.13 Revision Date: 07-12-2024
----------------------	---

© 2025 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.