

Product: <u>50061L</u> ☑ RS485, 1P 20AWG Str TC, XLPE Ins, OS+TC Brd, LSZH Jkt, ABS Approved

Product Description

RS-485, 1PR x 20AWG Stranded Tinned Copper, Foamed Electron-Beam Cross Linked Polyethylene Insulation, Overall Foil Plus Tinned Copper Braid Shield, Low Smoke Zero Halogen Jacket, ABS Approved

Technical Specifications

Product Overview

Suitable Applications:	Designed for applications which are used for RS 232/422/485, CANBUS, MODBUS communication protocols. Cable applications include motion oriented machine, machine control networks, temperature controllers, control panels, machine cutting tools, auxiliary equipment, SCADA communications, etc. These cables are used in emergency evacuation / shutdown systems in building automation, offshore, oil & gas and railway applications and are flame retardant according to IEC 60332-3-22 Category A
	systems in building automation, offshore, oil & gas and railway applications and are flame retardant according to IEC 60332-3-22 Category A

Construction Details

Conductor	
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Size	Stranding	Material		
20 AWG	Stranded	TC - Tinned Copper		

Insulation

Material Color Code
EB-XLFMPE White & Blue

Outer Shield

Shield Type	Material	Drainwire Type	
Таре	Bi-Laminate (Alum+Poly)		
Braid	Tinned Copper (TC)	22 AWG (7x30) TC	

Outer Jacket

Electrical Characteristics

Electricals					
Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedence	Max. Current	
36.7 Ohm/km (11.2 Ohm/1000ft)	46 pF/m (14 pF/ft)	82 pF/m	120 Ohm	2.1 Amps per conductor at 25°C	
Table Notes: Nom. Inde	uctance to Resistance ratio (L/R): 25 j	JH/Ω			

Voltage

Voltage RatingBreakdown Voltage300 V1.5 kVac / 2s

Mechanical Characteristics

Temperature



Bulk Cable Weight: 75.4 kg/km (50.7 lbs/1000ft)

Standards and Compliance

Environmental Suitability:	Sunlight Resistance, UV Resistance, Oil Resistance, Oil Resistance			
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-22			
Marine Compliance:	ABS Type Approval Certificate 20-2029059-PDA			
ISO/IEC Compliance:	30092-376, IEC 61034-2 - Smoke Density Min Transmittance = Min. 70% as per IEC 61034-2			
European Halogen Free Standards:	EC 60754-1 - Halogen Amount = Max 0.5%, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 10 μS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3			
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2)			
APAC Compliance:	China RoHS II (GB/T 26572-2011)			
Other Standard Compliance(s):	Toxicity Index 5 as per EN 50305 / NF F63-305 (ITC)			

Product Notes

 Notes:	Smoke Density ASTM D2843 Max. 40%
 Notes.	Chlore Density ACTIVI D2043 Max. 40 //

History

Update and Revision: Revision Number: 0.59 Revision Date: 07-05-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
50061L -D305	Black	Reel	305 m	8719605219992
50061L 010500M	Black	Reel	500 m	
50061L 0101000M	Black	Reel	1,000 m	
50061L 060500M	Grey	Reel	500 m	
50061L 0601000M	Grey	Reel	1,000 m	

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