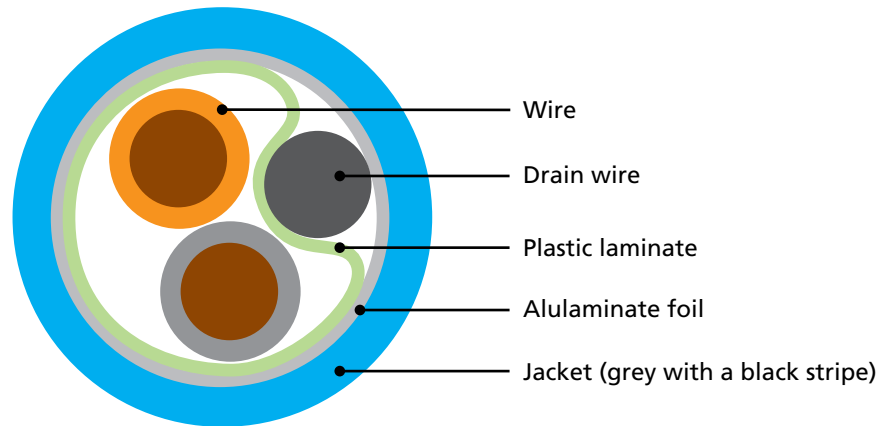


120 Ohm Shielded Twisted-Pair Cable



Application

This shielded jumper wire is commonly used for E1 circuits, in conjunction with the use of LSA-PLUS abs-Modules. RX and TX signals are wired up separately.

Technical Specifications

Wire:

Tinned copper wire	0.4mm
Insulation of foamed Polyethylen (PE) with skin	1.0mm

Core:

2 wires, WH and BN twisted to a pair	
Plastic laminate overlapped	
Tinned copper drain wire 0.4mm	
Identification thread	
Alulamine foil overlapped	2.3mm

Jacket:

Polyvinylchloride (PVC) GY	
Wall thickness about 0.25mm	(2.8±0.1)mm

TECHNICAL DATA



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Electrical data at 20°C:

Conductor resistance	≤ 153 Ohm/km
Insulation resistance	≥ 10 GOhm x km
Characteristic Voltage (Peak)	≤ 250V
Capactance (1 kHz)	46 nF/km
Test Voltage (wire/wire/screen rms 50 Hz 1 min)	= 500V

Frequency (kHz)	120	300	600	1000	3000	5000	10000
Attenuation (dB/100m)	1.1	1.8	2.7	3.8	6.1	7.3	9.5

Mechanical and Thermal Characteristics:

Conductor material acc. To DIN 40500 part 5. E-Cu58 F21-V5
 Insulating material acc. To DIN VDE 0819 part 103 table 2/A (02YI1)
 Jacket material acc. To Din VDE 0819 102 compound type TM52 (YM2)
 Stripping force of insulation ≤ 4.5N. Samples 50mm test acc. To SN 54233
 Solder shrink acc. To DIN VDE 0472 part 808/C
 Degree of contraction ≤ 2.5mm.

Application / Special features:

Permissible temperature range	-5°C up to + 70°C
Minimum bend diameter allowed	multiple 20 x diam. Single 10 x diam.
Weight about	8Kg/km
Packing unit	250 m ring in a cardbox

Ordering Information

Description	Catalogue Number
120 Ohm Shielded Twisted-Pair Cable 02YS(ST)Y 1x2x0.4/1.0-120 VZN GR	0000 4 912-35



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