

SPE patchcord 63171-2

shielded



Description

Shielded patch and connection cables with a shielded SPE plug (IEC63171-2) on both ends. Single Pair Ethernet can be used across all applications thanks to ranges of up to 1,000 metres and transmission speeds of up to 1 Gbit/s. The cable has an overlapping copper braid as an overall shield, which ensures excellent NEXT and impedance values. Standard range: from 0.5 m to 20 m.

Construction

Wire material	Tinned stranded copper wire
Cross section	1 x 2 x AWG 22/7
Insulation	Foamed PE
Arrangement of wire cores	1 pair twisted
Shielding	Aluminium-laminated foil, braided from tinned copper wires
Outer sheath material	PVC
Outer sheath colour	black

General properties

Cable type	STP
RoHs compliant	yes
Silicone-free	no
Type of connector connection 1	SPE plug (IEC 63171-2) - IP20 plug contact straight
Type of connector connection 2	SPE plug (IEC 63171-2) - IP20 plug contact straight
Wire colour	white/blue
Storage temperature	-40 °C - +80 °C

Electrical properties

Category	T1-B
Characteristic impedance	100 ± 15 Ω @ 20 MHz
Operating capacity	1.6 pF/m
Resistance differential	2 %
Test voltage, wire-wire-shield	1 kV DC, 1 min
Gbit/s	Up to 1 Gbit/s
Operating voltage max.	300 V
Shielding	shielded

Mechanical properties

Minimum bending radius	20 mm
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Standards

UV resistance	UL 1581 Sec. 1200
Cabling standards	ISO/IEC 11801
Connector standards	IEC 63171-2
PoDL (PoE)	IEEE 802.3bu / cg
UL certification	E316369

Versions

Material number	Product	Length (m)	Weight [kg]	GTIN / EAN
65540100ZY	SPE patchcord 63171-2	1	0.04 kg	40393910232974
65540200ZY	SPE patchcord 63171-2	2	0.08 kg	40393910233704
65540300ZY	SPE patchcord 63171-2	3	0.11 kg	40393910233698
65540400ZY	SPE patchcord 63171-2	5	0.18 kg	40393910233681
65540500ZY	SPE patchcord 63171-2	10	0.38 kg	40393910233674
65540600ZY	SPE patchcord 63171-2	15	0.5 kg	40393910233667