

## SPE patchcord 63171-5

shielded



### Description

Shielded patch and connection cables with a shielded SPE socket (IEC63171-5) 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	M8 SPE ( IEC63171-5) - IP67 socket contact - straight
Type of connector connection 2	M8 SPE ( IEC63171-5) - IP67 socket contact - straight
Wire colour	white/blue
Storage temperature	-40 °C - +85 °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 63171-5
PoDL (PoE)	IEEE 802.3bu / cg
UL certification	-

## Versions

Material number	Product	Length (m)	Weight [kg]	GTIN / EAN
65540700ZY	SPE patchcord 63171-5	2	0.05 kg	40393910233650
65540800ZY	SPE patchcord 63171-5	5	0.13 kg	40393910233643
65540900ZY	SPE patchcord 63171-5	10	0.34 kg	40393910233636
65541000ZY	SPE patchcord 63171-5	15	0.52 kg	40393910233629