

DATASHEET

Cat.7 In-/Outdoor cable 1200MHz AWG23 S/FTP,PE jacket, inner Dca, Sw& Or,1000m



General data

The Cat.7 S/FTP indoor/outdoor cable features a 4x2xAWG23/1 cable structure and achieves a transmission frequency of up to 1200 MHz.

The cable is suitable for installation in dry or damp rooms, outdoors, or buried. Compliant with the standards ISO/IEC 11801, DIN EN 50173, and DIN EN 50288-4-1.

The cable has a PE outer jacket and a halogen-free LSZH inner jacket.

The LSZH jacket complies with the IEC 60332-1 standard and is comparable to CPR Euroclass Dca.

The entire cable is Euroclass Fca according to the Construction Products Regulation.

Since CPR certification is only possible for an entire cable, there is no CPR certification for the indoor cable.

Technical properties

AWG-size	23/1
Armour	none
Bending radius (dynamic)	40 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	S/FTP
Cable type	EFB Cat.7 UC S/FTP 1200 AWG23 Dca

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Cabling standards	ISO/IEC 11801
Category	7
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 1 = solid
Conductor material	CU, tinned
Core identification	Colour
Core insulation	Foam-Skin-PE
Coupling attenuation	≥ 80 dB
Diameter conductor	0.56 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	none
Flame retardant	acc. to EN 60332-1
Halogen free	acc. to EN 60754-1/2
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 2000 MOhm/km
Loop resistance	171.2 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	PE + LSZH
Max. Frequency	MHz MHz
NVP value	76 %
Operating capacity	43 pF/km
Operating temperature, fix	-30 - 70 °C
Operating temperature, flexible	0 - 50 °C
Operating temperature, storage	-30 - 70 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	3 %
Screen over stranding	foil + braid
Screen over stranding element	Foil
Separation class acc. EN50174-2	D
Stranding element	Pairs
Test voltage DC, 1 min	1000 V
Transmission standards	IEEE 802.3 10Mbit bis 10Gbit
UV resistant	True

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Available variants										
ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
99733.1-CPR	Cat.7 In-/Outdoor cable 1200MHz AWG23 S/FTP,PE jacket, inner Dca, Sw& Or,1000m	black	1.0 m	8	simplex	25.9 kg/km	132 kg/km	100 N	8.4 mm	1200 MJ/km
99733.100-CPR	Cat.7 In-/Outdoor cable 1200MHz AWG23 S/FTP,PE jacket, inner Dca, Sw& Or,100m	black	100.0 m	8	simplex	25.9 kg/km	132 kg/km	100 N	8.4 mm	1200 MJ/km
99733.25-CPR	Cat.7 In-/Outdoor cable 1200MHz AWG23 S/FTP,PE jacket, inner Dca, Sw& Or,25m	black	25.0 m	8	simplex	25.9 kg/km	132 kg/km	100 N	8.4 mm	1200 MJ/km
99733.250-CPR	Cat.7 In-/Outdoor cable 1200MHz AWG23 S/FTP,PE jacket, inner Dca, Sw& Or,250m	black	250.0 m	8	simplex	25.9 kg/km	132 kg/km	100 N	8.4 mm	1200 MJ/km
99733.50-CPR	Cat.7 In-/Outdoor cable 1200MHz AWG23 S/FTP,PE jacket, inner Dca, Sw& Or,50m	black	50.0 m	8	simplex	25.9 kg/km	132 kg/km	100 N	8.4 mm	1200 MJ/km
99733.500-CPR	Cat.7 In-/Outdoor cable 1200MHz AWG23 S/FTP,PE jacket, inner Dca, Sw& Or,500m	black	500.0 m	8	simplex	25.9 kg/km	132 kg/km	100 N	8.4 mm	1200 MJ/km

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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