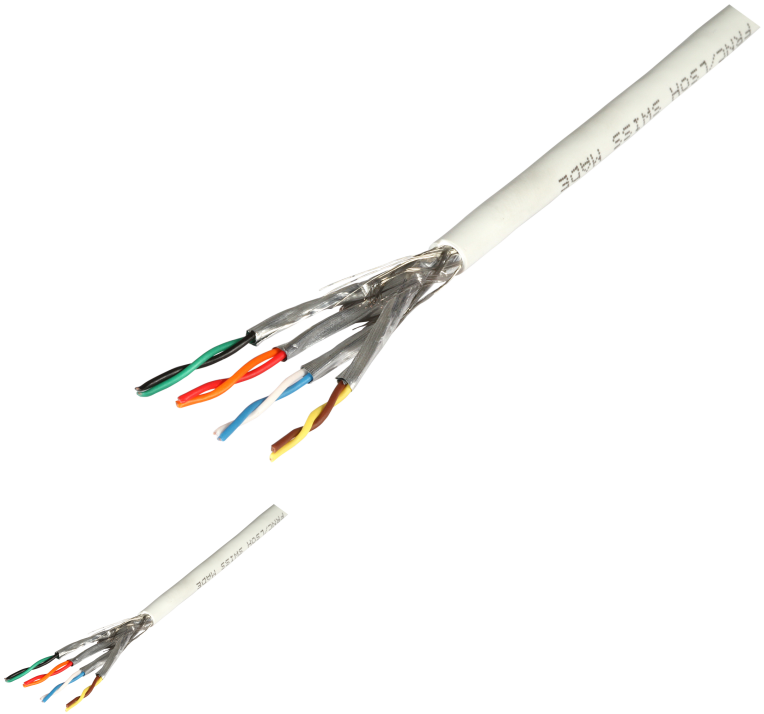
DATASHEET

CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, grey



General data

Cat.7 Dätwyler 7702 4P flex TC CPR Dca PIMF S/FTP

Electrically and mechanically excellent Cat.7 Patch cable- Exceeding the requirements of ISO/IEC 11801, IEC 61156-6, EN 50173-1 and EN50288-4-2. Excellent shielding due to pair and foil shielding. Copper wires and braiding tinned. Good assembly of connectors because of different wire colours. Compatible with all relevant connection systems of EN50173, ISO/IEC 11801 and IEC 60603-x. Flame retardance according to CPR Dca.

Use as a data patch cable or connection cable, special used for Consolidation points. Usable for all ICT Network application until Class F (600MHz) in accordance with EN50173-1 and ISO/IEC 11801. Also usable for Multimedia applications in CATV Frequence level till 862MHZ according to IEC15018. Suitable for data connection on power over ethernet (PoE/PoE+).

Technical properties

AWG-size	26/7
Armour	none
Bending radius (dynamic)	40 mm
Bending radius (static)	20 mm
Cable	IEC 61156-6

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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Cable silicone free	True
Cable structure	S/FTP
Cable type	Dätwyler CU7702 flex TC
Cabling standards	ISO/IEC 11801
Category	7
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 2 = stranded
Conductor material	Copper, tinned
Core identification	Colour
Core insulation	PVC
Coupling attenuation	≥ 80 dB
Delay skew	4 ns/100m
Diameter conductor	0.48 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	Dca
Flame retardant	acc. to EN 60332-1
Halogen free	acc. to EN 60754-1/2
Halogen free (acc. EN 50267-2-2)	True
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 2000 MOhm/km
Loop resistance	275 Ohm/km
Low smoke	acc. to EN 61034
Low smoke (acc. EN 61034-2)	True
Material outer sheath	FRNC-B
Max. Freuqency	MHz MHz
NVP value	78 %
Nominal cross section conductor	0.16 mm²
Operating capacity	43 pF/km
Operating temperature, fix	-20 – 60 °C
Operating temperature, flexible	0 – 50 °C
Operating temperature, storage	-20 – 60 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	3 %
Screen over stranding	braiding
Screen over stranding element	Foil

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Stranding element	Pairs
Test voltage DC, 1 min	1000 V
Transmission standards	IEEE 802.3 10Mbit bis 10Gbit
UV resistant	Nein

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
98711.1	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, grey	grey	1.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98711.1000	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, grey	grey	1000.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98712.1	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, blue	blue	1.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98712.1000	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, blue	blue	1000.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98713.1	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, yellow	yellow	1.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98713.1000	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, yellow	yellow	1000.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98714.1	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, red	red	1.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98714.1000	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, red	red	1000.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98715.1	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, green	green	1.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km

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CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, grey

98715.1000	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, green	green	1000.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98716.1	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, black	black	1.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98716.1000	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, black	black	1000.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 MJ/km
98719.1000	CU 7702 flex TC 4P AWG26/7 CPR Dca, Cat.7, 862MHz, orange	orange	1000.0 m	8	simplex	18.1 kg/km	39.5 kg/km	56 N	5.8 mm	380 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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