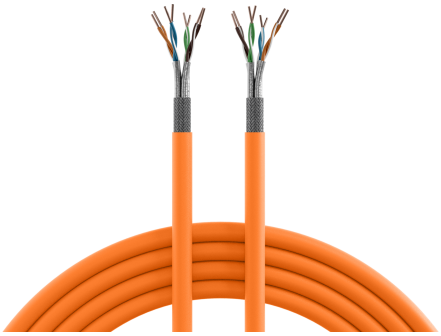
DATASHEET

INFRALAN® Cat.7 1000 AWG23, S/FTP 4P CPR Eca orange, 250m



General data

The INFRALAN® installation cable 99980.x-CPR is constructed for transmissions up to **1000 MHz** and exceeds the requirements of the category 7 with the electrical transmission properties. With this cable transmission rates up to 10 GBit according to IEEE 802.3 are possible.

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 S/FTP AWG23 Eca
Cabling standards	ISO/IEC 11801
Category	7
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 1 = solid

This datasheet was created automatically on 17-10-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

INFRALAN® Cat.7 1000 AWG23, S/FTP 4P CPR Eca orange, 250m

Conductor material	Copper, bare
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	Eca
Flame retardant	according 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	154 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	FRNC-B
Max. Freuqency	MHz MHz
NVP value	79 %
Nominal cross section conductor	0.26 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	2 %
Screen over stranding	braiding
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	no

Available variants

This datasheet was created automatically on 17-10-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

INFRALAN® Cat.7 1000 AWG23, S/FTP 4P CPR Eca orange, 250m

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	RAL colour	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
99980.1-CPR	INFRALAN® Cat.7 1000 AWG23, S/FTP 4P CPR Eca orange	orange	1.0 m	8	RAL 2003	simplex	26 kg/km	54.5 kg/km	110 N	7.3 mm	590 MJ/km
99980.100-CPR	INFRALAN® Cat.7 1000 AWG23, S/FTP 4P CPR Eca orange, 100m	orange	100.0 m	8	RAL 2003	simplex	26 kg/km	54.5 kg/km	110 N	7.3 mm	590 MJ/km
99980.250-CPR	INFRALAN® Cat.7 1000 AWG23, S/FTP 4P CPR Eca orange, 250m	orange	250.0 m	8	RAL 2003	simplex	26 kg/km	54.5 kg/km	110 N	7.3 mm	590 MJ/km
99980.500-CPR	INFRALAN® Cat.7 1000 AWG23, S/FTP 4P CPR Eca orange, 500m	orange	500.0 m	8	RAL 2003	simplex	26 kg/km	54.5 kg/km	110 N	7.3 mm	590 MJ/km
99980.60-CPR	INFRALAN® Cat.7 1000 AWG23, S/FTP 4P CPR Eca orange, 60m	orange	60.0 m	8	RAL 2003	simplex	26 kg/km	54.5 kg/km	110 N	7.3 mm	590 MJ/km
99980DX.100-CPR	INFRALAN® Cat.7 1000 AWG23, S/FTP 8P CPR Eca orange, 100m	orange	100.0 m	2x8	RAL 2003	duplex	52 kg/km	109.2 kg/km	220 N	7.2 x 15.0 mm	1190 MJ/km
99980DX.25-CPR	INFRALAN® Cat.7 1000 AWG23, S/FTP 8P CPR Eca orange, 25m	orange	25.0 m	2x8	RAL 2003	duplex	52 kg/km	109.2 kg/km	220 N	7.2 x 15.0 mm	1190 MJ/km
99980DX.500-CPR	INFRALAN® Cat.7 1000 AWG23, S/FTP 8P CPR Eca orange, 500m	orange	500.0 m	2x8	RAL 2003	duplex	52 kg/km	109.2 kg/km	220 N	7.2 x 15.0 mm	1190 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

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION