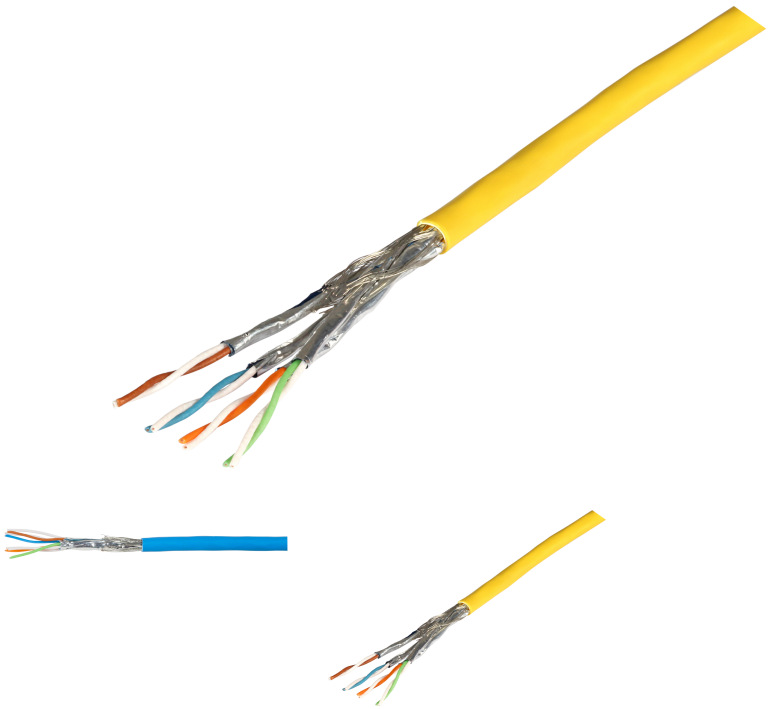
DATASHEET

MegaLine F6-90 S/F flex PIMF S/FTP, 900 MHz, H, grau



General data

Exceeding the requirements of Category 7 according to EN50288 and IEC61156. Excellent NEXT, exzellent shielding characteristics, low Skew, bandwith 900 MHz. Ideal for all class D to F multimedia applications (video, data, voice), >10 GbE according to IEEE 802.3, Cable sharing, VoiP, PoE.

Technical properties

AWG-size	27/7
Armour	none
Bending radius (dynamic)	50 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	S/FTP
Cable type	Kerpen Megaline F6-90
Cabling standards	ISO/IEC 11801
Category	7
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 2 = stranded
Conductor material	Copper, tinned
Core identification	Colour

This datasheet was created automatically on 01-11-2026 . 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

MegaLine F6-90 S/F flex PIMF S/FTP, 900 MHz, H, grau

Core insulation	Cell-PE
Coupling attenuation	≥ 80 dB
Diameter conductor	0.45 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
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 5000 MOhm/km
Loop resistance	340 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	FRNC-B
Max. Freuqency	MHz MHz
NVP value	78 %
Nominal cross section conductor	0.14 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
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	Nein

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
99728.1	MegaLine F6-90 S/F flex PIMF S/FTP, 900 MHz, H, grau	grey	1.0 m	8	simplex	17 kg/km	34 kg/km	40 N	5.7 mm	330 MJ/km

This datasheet was created automatically on 01-11-2026 . 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

MegaLine F6-90 S/F flex PIMF S/FTP, 900 MHz, H, grau

99728.1000	MegaLine F6-90 S/F flex PIMF S/FTP, 900 MHz, H, grau	grey	1000.0 m	8	simplex	17 kg/km	34 kg/km	40 N	5.7 mm	330 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.

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