# DATASHEET

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












### General data

The Cat.7 indoor/outdoor cable from EFB-Elektronik is designed for high-performance network cabling indoors and outdoors. The S/FTP structure with foil and braid as well as the black sheath made of PE + LSZH support stable data connections up to 1200 MHz and are therefore suitable for modern installations with high bandwidth. The UV resistance complements the range of applications with a robust design for outdoor use.

• 1200 MHz Cat.7 bandwidth – Supports transmission standards from IEEE 802.3 10Mbit to 10Gbit and creates scope for high-performance networks.
• S/FTP setup with foil and braid – Reduces interference and supports stable signal quality in demanding cabling.
• Black PE + LSZH jacket with UV resistance – Supports use in indoor and outdoor installations and adds halogen-free to the version according to EN 60754-1/2 and EN 60754.

The cable is designed as a simplex and uses 23/1 conductors with 8 wires. The dynamic bending radius of 40 mm makes it easy to lay and the design without reinforcement keeps the structure slim. The combination of foil and braid as a shield over the stranding supports decoupling from external influences. The structure is intended for PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt.

Technical details
• Brand: EFB-Elektronik
• Category: Cat.7
• Transmission standards: IEEE 802.3 10Mbit to 10Gbit

**This datasheet was created automatically on 23-11-2026 . 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

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

- Max. frequency: 1200 MHz
- Cable construction: S/FTP
- PoE: after IEEE802.3af PoE, after IEEE802.3at PoE+, after IEEE802.3bt 4PPoE
- AWG cross-section/number of wires: 23/1
- Number of cores: 8
- Type: simplex
- Sheath material: PE + LSZH
- Sheath colour: black
- Armour: without
- Bend radius (dynamic): 40 mm
- Directive/Regulation: RoHS 2011/65/UE
- Euroclass: none
- Halogen-free: according to EN 60754-1/2, according to EN 60754
- Shield over stranding: foil + braid
- UV resistant: Yes

| **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 |
| Cabling standards | ISO/IEC 11801 |
| Category | 7 |
| Characteristic impedance | 100 ± 5 Ohm |
| Conductor category | Class 1 = solid |
| 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 | none |
| Flame retardant | acc. to EN 60332-1 |
| Halogen free | acc. to EN 60754-1/2 |
| Harmonised Standard | EN 50575 |
| Installation standard | EN 50174 |

**This datasheet was created automatically on 23-11-2026 . 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

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

| | |
|---|---|
| Insulation resistance (500V) | ≥ 2000 MOhm/km |
| Loop resistance | 171.2 Ohm/km |
| Low smoke | acc. to EN 61034 |
| Material outer sheath | PE + LSZH |
| Max. Freuqency | 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 |

**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 |

**This datasheet was created automatically on 23-11-2026 . 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

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

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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.



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