

# DATASHEET

## PATCH PRO FLEX CAT 7 Cable PUR/Gummi, RAL9005, UV best.



### General data

The Cat.7 flex cable by the metre from EFB-Elektronik is designed for high-performance network cabling. The S/FTP structure with polyurethane (PUR) sheath in black according to RAL 9005 supports stable data connections up to 1000 MHz and is therefore suitable for modern installations with high bandwidth.

- 1000 MHz Cat.7 bandwidth – Supports transmission standards from IEEE 802.3 10Mbit to 10Gbit and creates scope for high-performance networks.
- S/FTP design with braid shielding – Reduces interference and supports stable signal quality in demanding cabling.
- UV-resistant design – Adds a feature to the cable for high-light conditions.

The cable is designed as a simplex and uses 26/7 conductors with 8 wires. The dynamic bending radius of 40 mm makes installation easier. The braided shielding supports decoupling from external influences and the structure is intended for PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt. The version without armour is designed for use in structured network environments. The PUR sheath in black according to RAL 9005 complements the technical profile of the cable.

### Technical details

- Brand: EFB-Elektronik
- Category: 7

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.



# DATASHEET

## PATCH PRO FLEX CAT 7 Cable PUR/Gummi, RAL9005, UV best.

- Transmission standards: IEEE 802.3 10Mbit to 10Gbit
- Max. frequency: 1000 MHz
- Cable construction: S/FTP
- PoE: after IEEE802.3af PoE, after IEEE802.3at PoE+, after IEEE802.3bt 4PPoE
- AWG cross-section/number of wires: 26/7
- Number of cores: 8
- Type: simplex
- Sheath material: polyurethane (PUR)
- Sheath colour: black
- RAL colour: RAL 9005
- Armour: without
- Bend radius (dynamic): 40 mm
- Directive/Regulation: RoHS 2011/65/UE
- UV resistant: Yes
- Shield over stranding: braid

| Technical properties     |                           |
|--------------------------|---------------------------|
| AWG-size                 | 26/7                      |
| Armour                   | none                      |
| Bending radius (dynamic) | 40 mm                     |
| Cable                    | IEC 61156-6               |
| Cable silicone free      | True                      |
| Cable structure          | S/FTP                     |
| Cable type               | Draka Patch Pro Flex Cat7 |
| Cabling standards        | ISO/IEC 11801             |
| Category                 | 7                         |
| Characteristic impedance | 100 ± 5 Ohm               |
| Conductor category       | Class 2 = stranded        |
| Conductor material       | Copper, bare              |
| Core identification      | Colour                    |
| Core insulation          | Foam-Skin-PE              |
| Coupling attenuation     | ≥ 80 dB                   |
| Diameter conductor       | 0.48 mm                   |
| Directive/Regulation     | RoHS 2011/65/UE           |
| Euro class               | none                      |
| Flame retardant          | No                        |
| Halogen free             | False                     |
| Harmonised Standard      | EN 50575                  |
| Installation standard    | EN 50174                  |

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.



# DATASHEET

## PATCH PRO FLEX CAT 7 Cable PUR/Gummi, RAL9005, UV best.

|                                 |                              |
|---------------------------------|------------------------------|
| Insulation resistance (500V)    | ≥ 2000 MOhm/km               |
| Loop resistance                 | 250 Ohm/km                   |
| Low smoke                       | nein                         |
| Material outer sheath           | Polyurethan (PUR)            |
| Max. Frequency                  | MHz MHz                      |
| NVP value                       | 75 %                         |
| 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            | 2 %                          |
| Screen over stranding           | braiding                     |
| Screen over stranding element   | Foil                         |
| 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 | RAL colour | Type    | Copper weight | Weight   | Max. tractive force | Outer diameter approx. | Fire load |
|------------|---------------------------------------------------------------|---------------------|----------|-----------------|------------|---------|---------------|----------|---------------------|------------------------|-----------|
| 99262.1    | PATCH PRO FLEX CAT 7 Kabel PUR/Gummi, RAL9005, UV best.       | black               | 1.0 m    | 8               | RAL 9005   | simplex | 17.5 kg/km    | 35 kg/km | 100 N               | 6.4 mm                 | 688 MJ/km |
| 99262.100  | PATCH PRO FLEX CAT 7 Kabel PUR/Gummi, RAL9005, UV best., 100m | black               | 100.0 m  | 8               | RAL 9005   | simplex | 17.5 kg/km    | 35 kg/km | 100 N               | 6.4 mm                 | 688 MJ/km |
| 99262.1000 | PATCH PRO FLEX CAT 7 Cable PUR/Gummi, RAL9005, UV best.       | black               | 1000.0 m | 8               | RAL 9005   | simplex | 17.5 kg/km    | 35 kg/km | 100 N               | 6.4 mm                 | 688 MJ/km |

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.



# DATASHEET

## PATCH PRO FLEX CAT 7 Cable PUR/Gummi, RAL9005, UV best.

|           |                                                                           |       |            |   |             |         |               |             |       |        |              |
|-----------|---------------------------------------------------------------------------|-------|------------|---|-------------|---------|---------------|-------------|-------|--------|--------------|
| 99262.500 | PATCH PRO FLEX<br>CAT 7 Kabel<br>PUR/Gummi,<br>RAL9005, UV<br>best., 500m | black | 500.0<br>m | 8 | RAL<br>9005 | simplex | 17.5<br>kg/km | 35<br>kg/km | 100 N | 6.4 mm | 688<br>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.

This datasheet was created automatically on 01-11-2026 . Technical changes reserved.

