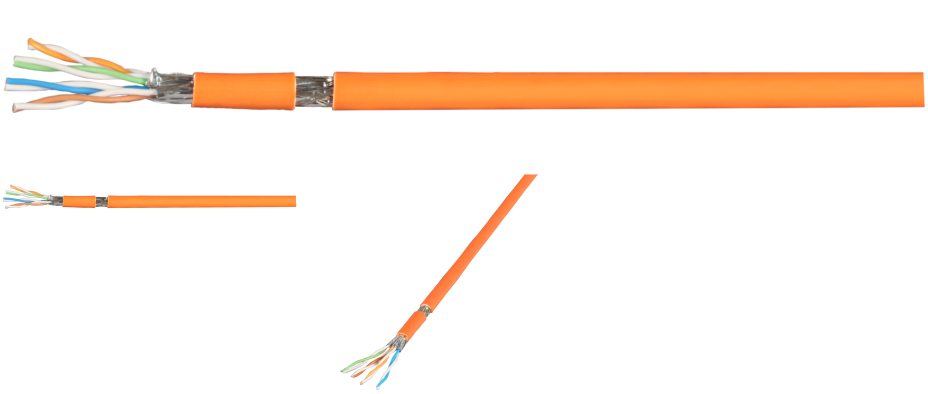
# DATASHEET

## Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, orange



### General data

The Cat.7 patch cable DRAKA UC900 FLEX SS26 in orange is designed for high-performance network cabling. The S/FTP structure with LSZH jacket 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.
• LSZH jacket in orange with Euroclass Dca – Is halogen-free according to EN 60754-1/2, complies with RoHS 2011/65/UE and complements the installation with a contemporary choice of materials.

The cable is designed as a simplex and uses 26/7 conductors with 8 wires. The dynamic bending radius of 50 mm makes installation easier. The braided shielding supports decoupling from external influences and the design is intended for PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt. The version without reinforcement is aimed at installation in structured network environments.

Technical details
• Category: 7
• 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: LSZH
• Sheath colour: orange
• Armour: without
• Bend radius (dynamic): 50 mm
• Directive/Regulation: RoHS 2011/65/UE

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- Euroclass: Dca
- Halogen-free: according to EN 60754-1/2
- Shield over stranding: braid

| Technical properties | |
|---|---|
| AWG-size | 26/7 |
| Armour | none |
| Bending radius (dynamic) | 50 mm |
| Cable | IEC 61156-6 |
| Cable silicone free | True |
| Cable structure | S/FTP |
| Cable type | Draka UC900 SS26 |
| 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 PP |
| Coupling attenuation | ≥ 80 dB |
| 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 |
| Harmonised Standard | EN 50575 |
| Installation standard | EN 50174 |
| Insulation resistance (500V) | ≥ 2000 MOhm/km |
| Loop resistance | 290 Ohm/km |
| Low smoke | acc. to EN 61034 |
| Material outer sheath | LSZH |
| Max. Freuqency | MHz MHz |
| NVP value | 79 % |
| Nominal cross section conductor | 0.16 mm² |
| Operating capacity | 43 pF/km |
| Operating temperature, fix | -20 – 60 °C |
| Operating temperature, flexible | 0 – 50 °C |

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| | |
|---|---|
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 99751.1 | Patch cable Cat.7 PiMF UC900 MHz FLEX, SS26 4P Dca, grey | grey | 1.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99751.100 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, grey 100m | grey | 100.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99751.1000 | Patch cable Cat.7 PiMF UC900 MHzFLEX, SS26 4P Dca, grey | grey | 1000.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99752.1 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, yellow | yellow | 1.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99752.100 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, yellow 100 M | yellow | 100.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99752.1000 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, yellow | yellow | 1000.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 99753.1 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, red | red | 1.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99753.100 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, red 100 M | red | 100.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99753.1000 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, red | red | 1000.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99754.1 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, blue | blue | 1.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99754.100 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, blue, 100 M | blue | 100.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99754.1000 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, blue | blue | 1000.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99755.1 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4PDca, black | black | 1.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99755.100 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, black, 100 M | black | 100.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99755.1000 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, black | black | 1000.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99756.1 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, green | green | 1.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99756.100 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, green, 100 M | green | 100.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 99756.1000 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, green | green | 1000.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99757.1 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, orange | orange | 1.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99757.100 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, orange, 100 M | orange | 100.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99757.1000 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, orange | orange | 1000.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99758.1 | Patch cable Cat.7 PiMF UC900MHz, FLEX, SS26 4P Dca, white | white | 1.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99758.100 | Patch cable Cat.7 PiMF UC900MHz, FLEX, SS26 4P Dca, white, 100m | white | 100.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99758.1000 | Patch cable Cat.7 PiMF UC900MHz, FLEX, SS26 4P Dca, white | white | 1000.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99759.1 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, erica-violet | magenta | 1.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 MJ/km |
| 99759.1000 | Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, erica-violet | magenta | 1000.0 m | 8 | simplex | 18 kg/km | 38 kg/km | 100 N | 5.9 mm | 465 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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