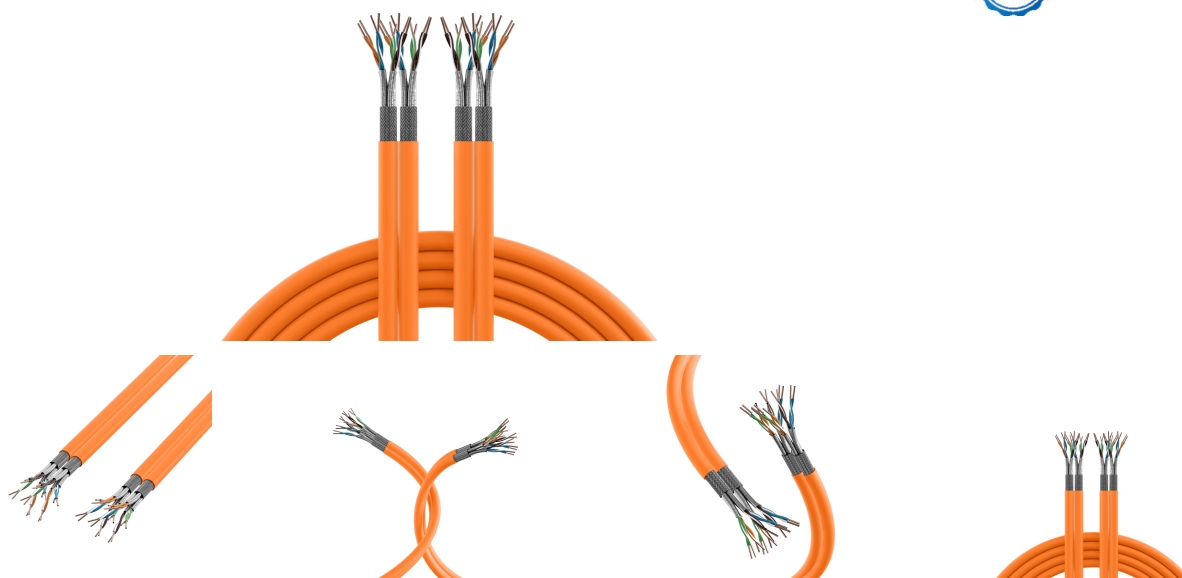


# DATASHEET

## INFRALAN Cat.7 1000 AWG23 S/FTP 2x4P CPR Cca orange 100m



### General data

The INFRALAN® installation cable 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) | 60 mm                            |
| Cable                    | IEC 61156-6                      |
| Cable silicone free      | True                             |
| Cable structure          | S/FTP                            |
| Cable type               | EFB Cat. 7A S/FTP 1000 AWG23 Cca |
| Cabling standards        | ISO/IEC 11801                    |
| Category                 | 7                                |
| Characteristic impedance | 100 ± 5 Ohm                      |
| Conductor category       | Class 1 = solid                  |

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|                                 |                              |
|---------------------------------|------------------------------|
| Conductor material              | CU, tinned                   |
| 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                      | Cca                          |
| 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                 | 154 Ohm/km                   |
| Low smoke                       | acc. to EN 61034             |
| Material outer sheath           | LSZH                         |
| Max. Frequency                  | MHz MHz                      |
| NVP value                       | 79 %                         |
| 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                    | False                        |

### Available variants

| ArtNr. | Bezeichnung | Colour outer sheath | Length | Number of cores | Type | Copper weight | Weight | Max. tractive force | Outer diameter approx. | Fire load |
|--------|-------------|---------------------|--------|-----------------|------|---------------|--------|---------------------|------------------------|-----------|
|--------|-------------|---------------------|--------|-----------------|------|---------------|--------|---------------------|------------------------|-----------|

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## INFRALAN Cat.7 1000 AWG23 S/FTP 2x4P CPR Cca orange 100m

|                 |                                                                      |        |       |     |        |             |              |       |                |               |
|-----------------|----------------------------------------------------------------------|--------|-------|-----|--------|-------------|--------------|-------|----------------|---------------|
| 99988DX.100-CPR | INFRALAN Cat.7<br>1000 AWG23<br>S/FTP 2x4P CPR<br>Cca orange<br>100m | orange | 100 m | 2x8 | duplex | 54<br>kg/km | 109<br>kg/km | 220 N | 7.3x15.0<br>mm | 1280<br>MJ/km |
| 99988DX.500-CPR | INFRALAN Cat.7<br>1000 AWG23<br>S/FTP 2x4P CPR<br>Cca orange<br>500m | orange | 500 m | 2x8 | duplex | 54<br>kg/km | 109<br>kg/km | 220 N | 7.3x15.0<br>mm | 1280<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.

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