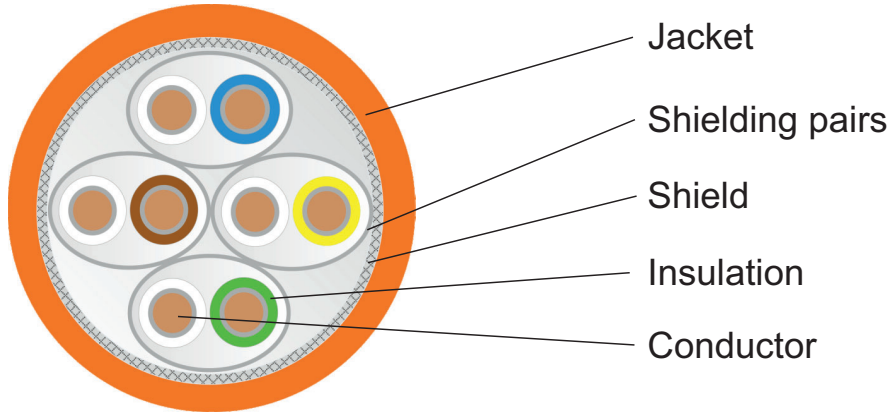
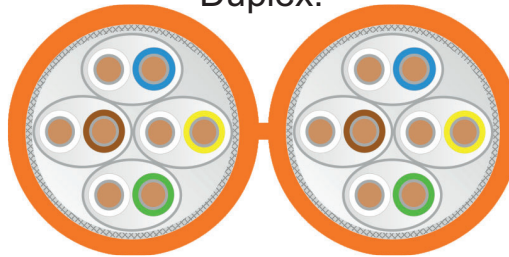


Technical datasheet



Duplex:



Data cable EasyLan® Gold 1500

S/FTP Cat.7_A 1500 MHz

4x2xAWG 22/1 FRNC

Order Codes: see last page

Data cable for transmission of analogue and digital signals for cabling within primary, secondary and tertiary area.
For applications up to class F_A.

| | | | | | | | | |
|-----------------|---------------|------------|------|---------------------------------------|------------|----|---|------------------|
| | | | | drawn | 08.12.2021 | LE |  | |
| | | | | appr. | 08.12.2021 | MJ | | |
| Titel: | | | | Data cable EasyLan Gold AWG22 1500MHz | | | | Dimensions: mm |
| Drawing number: | | | | ZN-DK210304 | | | | Original: DIN A4 |
| a | Neuerstellung | 08.12.2021 | LE | | | | Sheet 1 of 4 | |
| Index | Revision code | Date | Name | | | | | |

Technical Data

| | |
|--|----------------------------------|
| Construction | |
| Signal conductor | AWG22/1, bare |
| Insulation | SFS-PE |
| Color Code | IEC 708-1 |
| Foil pair screen | Plastic laminated aluminium foil |
| Braid screen | Copper Wire 0,10vz |
| Jacket | FRNC |
| Color | orange, RAL 2003 |
| Outer diameter simplex | 8,1 mm +/- 0,2 mm |
| Outer diameter duplex | 16,5 x 8,1 mm +/- 0,2 mm |
| Diameter wire | 1,50 mm +/- 0,02 mm |
| Mechanical Data | |
| Temperature range | |
| Operation | -20°C up to +60°C |
| Installation | 0°C up to +50°C |
| Minimum bending radius installation | 4x cable-Ø |
| Minimum bending radius for pulling during installation | 8x cable-Ø |
| max. tensile strength | 120 N |

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| | | | | | | |
|-------|---------------|------------|------|---|------------|----|
| a | Neuerstellung | 08.12.2021 | LE | drawn | 08.12.2021 | LE |
| | | | | appr. | 08.12.2021 | MJ |
| | | | | Titel: Data cable EasyLan Gold AWG22 1500MHz | | |
| | | | | Drawing number: ZN-DK210304 | | |
| Index | Revision code | Date | Name | | | |
| | | | |  EasyLan® ...for a better connectivity | | |
| | | | | Dimensions: mm | | |
| | | | | Original: DIN A4 | | |
| | | | | Sheet 2 of 4 | | |

Technical Data

| | |
|-----------------------------|--|
| Electrical Data | |
| Loop resistance | <= 120 Ohm / km |
| Insulation resistance | > 5000MOhm*km |
| Capacity | nom. 45nF / km |
| Transfer impedance at 10MHz | <10 mOhm / m |
| Test voltage | 750V AC |
| NVP | ca. 79% |
| Propagation delay | 425ns / 100m |
| Delay skew | 8 ns / 100m |
| Coupling attenuation | > 80 dB Type 2 |
| Copper number simplex | 34 |
| Copper number duplex | 68 |
| Fire classes available | Dca s1 d2 a1 acc. to EN 50399 Cca s1 d1 a1 acc. to EN 50399 |

Applications:

IEEE 802.3 : Ethernet 10Base-T ; Fast Ethernet 100Base-T ; Gigabit Ethernet 1000Base-T ; 10GBase-T
25GBase-T; IEEE 802.5 : 16MB; ISDN; TPDDI; ATM ; IEEE 802.3at PoE/PoE+ 4P (Klasse 1-4) ;
Multimedia CATV

Standards:

EN 50288-4-2 ; EN 50173-5 ; ISO/IEC 11801 2017-11 ; IEC 61156-5

Chemical Properties:

RoHS 2011/65/EU ; IEC 60811-2-1 (IRM 902, 4h bei 70°C), 0,185 kWh/m

Flame resistance:

EN 60332-1-2 ; EN 60332-2-24 ; EN 50399 ; EN 50575 ; EN 61034 ; EN 50267 ; IEC 60754-2 ; IEC 61034
EN 13501-6 ; EN 50332-3-24 ; EN 50268

Printing Text:

EasyLan® Gold – S/FTP – AWG 22/1 – Kat. 7A – 1500 MHz – >> fire class << – FRNC – RoHS – Made in Germany –
www.easylan.de >> Metrierung und Chargen-Nummer <<

| | | | | | | | |
|-------|---------------|---------------|------------|---------------------------------------|---|------------|----|
| | a | Neuerstellung | 08.12.2021 | LE | drawn | 08.12.2021 | LE |
| | | | | | appr. | 08.12.2021 | MJ |
| | | | | |  | | |
| | | | | | Titel: Data cable EasyLan Gold AWG22 1500MHz | | |
| | | | | | Dimensions: mm | | |
| | | | | | Original: DIN A4 | | |
| | | | | | Sheet 3 of 4 | | |
| Index | Revision code | Date | Name | Drawing number: ZN-DK210304 | | | |

Technical Data

Transmission Performance:

| f in MHz | Attenuation (dB/100m) nom. | NEXT (dB) nom. | ACR (dB/100m) nom. | ELFEXT (dB/100m) nom. | RL (dB) nom. |
|----------|----------------------------------|----------------------|--------------------------|-----------------------------|--------------------|
| 1 | 1,7 | 110 | 108 | 105 | 25 |
| 4 | 3,2 | 110 | 107 | 103 | 28 |
| 10 | 5,1 | 110 | 105 | 100 | 30 |
| 100 | 16,5 | 108 | 91 | 85 | 30 |
| 300 | 29,1 | 100 | 71 | 70 | 27 |
| 600 | 41,5 | 93 | 51 | 60 | 25 |
| 1000 | 54,9 | 88 | 33 | 52 | 24 |
| 1200 | 58,8 | 85 | 26 | 42 | 23 |
| 1500 | 67,8 | 83 | 15 | 30 | 21 |

Order Codes:

| | |
|---|------------|
| EasyLan® data cable Gold simplex AWG22 1500MHz Dca s1 d2 a1 | CESG1212K |
| EasyLan® data cable Gold duplex AWG22 1500MHz Dca s1 d2 a1 | CESG1212KD |
| EasyLan® data cable Gold simplex AWG22 1500MHz Cca s1 d1 a1 | CESG1214K |
| EasyLan® data cable Gold duplex AWG22 1500MHz Cca s1 d1 a1 | CESG1214KD |

| | | | | | | |
|-------|---------------|------------|------|--|------------|----|
| a | Neuerstellung | 08.12.2021 | LE | drawn | 08.12.2021 | LE |
| | | | | appr. | 08.12.2021 | MJ |
| | | | | Titel: Data cable EasyLan Gold AWG22 1500MHz | | |
| | | | | Drawing number: ZN-DK210304 | | |
| Index | Revision code | Date | Name | | | |
| | | | |  EasyLan® <i>...for a better connectivity</i> | | |
| | | | | Dimensions: mm | | |
| | | | | Original: DIN A4 | | |
| | | | | Sheet 4 of 4 | | |