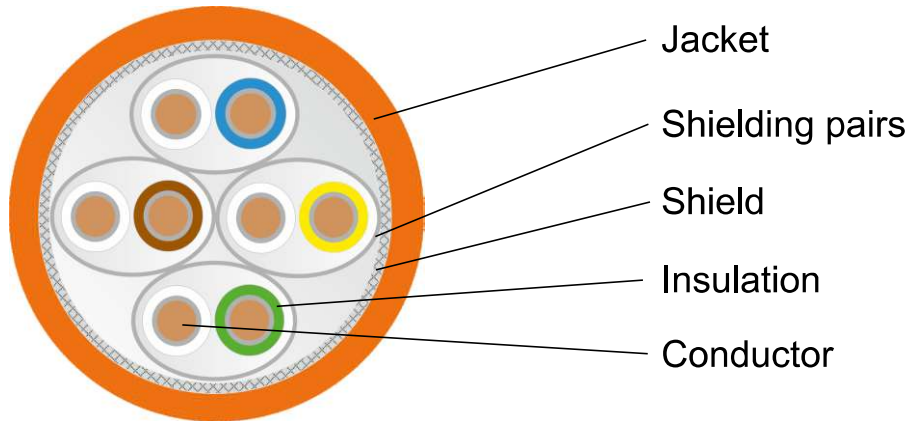
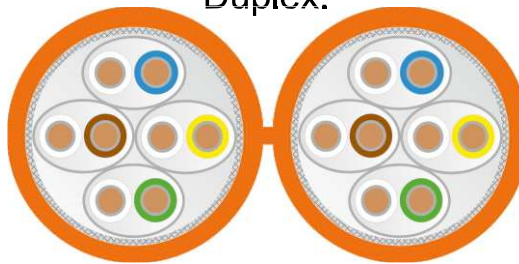


# Technical datasheet



Duplex:



## Data Cable EasyLan® Silver 1200

S/FTP Cat.7<sub>A</sub> 1200 MHz  
 4x2xAWG23/1 FRNC  
 Order Codes: see last page

Datatable for transmission of analogue and digital signals for cabling within primary, secondary and tertiary area.  
 For applications up to class F<sub>A</sub>.

|       |               |            |      |   |            |    |   |
|-------|---------------|------------|------|---|------------|----|---|
|       |               |            |      | drawn   | 08.12.2021 | LE |  <b>EasyLan</b> <sup>®</sup><br>...for a better connectivity |
|       |               |            |      | appr.   | 08.12.2021 | MJ |   |
| j     | Änderung      | 19.06.2023 | MW   | Titel:<br><b>Data cable EasyLan Silver<br/>                 AWG23 1200MHz</b> |            |    | Dimensions: mm  |
| i     | Änderung      | 06.04.2023 | MW   |   |            |    |   |
| h     | Änderung      | 17.02.2023 | MW   | Drawing number:<br><b>ZN-DK210305</b>   |            |    | Original: DIN A4  |
| g     | Änderung      | 01.02.2023 | MW   |   |            |    |   |
| f     | Änderung      | 03.11.2022 | MW   | Sheet 1 of 4  |            |    |   |
| e     | Änderung      | 16.09.2022 | MW   |   |            |    |   |
| d     | Änderung      | 06.07.2022 | MW   |   |            |    |   |
| c     | Änderung      | 23.06.2022 | MW   |   |            |    |   |
| b     | Änderung      | 13.06.2022 | MW   |   |            |    |   |
| a     | Neuerstellung | 08.12.2021 | LE   |   |            |    |   |
| Index | Revision Code | Date       | Name |   |            |    |   |

# Technical Data

|  |                                  |
|--|----------------------------------|
| <b>Construction</b>                                    |                                  |
| Signal conductor                                       | AWG23/1, bare                    |
| Insulation   | SFS-PE                           |
| Color Code   | IEC 708-1                        |
| Foil pair screen                                       | Plastic laminated aluminium foil |
| Braid screen   | Copper Wire 0,10vz               |
| Jacket   | FRNC / LSZH                      |
| Color  | orange, RAL 2003                 |
| Outer diameter simplex, Fire class Dca                 | 7,2 mm +/- 0,2 mm                |
| Outer diameter duplex, Fire class Dca                  | 14,5 x 7,2 mm +/- 0,2 mm         |
| Outer diameter simplex, Fire class Cca                 | 7,5 mm +/- 0,2 mm                |
| Outer diameter duplex, Fire Class Cca                  | 15,0 x 7,5 mm +/- 0,2 mm         |
| <b>Mechanical Data</b>                                 |                                  |
| 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                       |

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|  |               |            |                                       |   |            |    |   |  |
|--|---------------|------------|---------------------------------------|---|------------|----|---|--|
| j<br>i<br>h<br>g<br>f<br>e<br>d<br>c<br>b<br>a | Änderung      | 19.06.2023 | MW                                    | drawn   | 08.12.2021 | LE |  <b>EasyLan</b> <sup>®</sup><br>...for a better connectivity |  |
|  | Änderung      | 06.04.2023 | MW                                    | appr.   | 08.12.2021 | MJ |   |  |
|  | Änderung      | 17.02.2023 | MW                                    | <b>Titel:</b><br>Data cable EasyLan Silver<br>AWG23 1200MHz |            |    |   |  |
|  | Änderung      | 01.02.2023 | MW                                    |   |            |    |   |  |
|  | Änderung      | 03.11.2022 | MW                                    |   |            |    |   |  |
| Änderung                                       | 16.09.2022    | MW         | <b>Drawing number:</b><br>ZN-DK210305 |   |            |    |   |  |
| Änderung                                       | 06.07.2022    | MW         | Dimensions: mm                        |   |            |    |   |  |
| Änderung                                       | 23.06.2022    | MW         | Original: DIN A4                      |   |            |    |   |  |
| Änderung                                       | 13.06.2022    | MW         | Sheet 2 of 4                          |   |            |    |   |  |
| Neuerstellung                                  | 08.12.2021    | LE         |                                       |   |            |    |   |  |
| Index  | Revision Code | Date       | Name                                  |   |            |    |   |  |

# Technical Data

|   |   |
|---|---|
| <b>Electrical Data</b>                          |   |
| Loop resistance                                 | <= 150 Ohm / km   |
| Insulation resistance                           | > 5000MOhm*km   |
| Capacity  | nom. 45nF / km  |
| Transfer impedance                              | IEC 61156-5 Grade 1   |
| Test voltage                                    | 700V AC   |
| NVP   | ca. 77%   |
| Propagation delay                               | 425ns / 100m  |
| Delay skew                                      | 7 ns / 100m   |
| Coupling attenuation according to IEC 62153-4-9 | 80 dB min. @ 30-100 MHz   |
| Copper number simplex                           | 26,5  |
| Copper number duplex                            | 53  |
| Fire class                                      | Dca s1a d2 a1 acc. to EN 50399<br>Cca s1a d1 a1 acc. to EN 50399<br>B2ca s1a d1 a1 acc. to EN 50399 |

## Applications:

IEEE 802.3 : Ethernet 10Base-T ; Fast Ethernet 100Base-T ; Gigabit Ethernet 1000Base-T ; 10GBase-T  
 IEEE 802.5 : ISDN ; FDDI ; ATM ; Cable Sharing  
 IEEE 802.3at : PoE, PoE+  
 IEEE 802.3bt: PoE++ (Type 3+4)  
 Multimedia CATV

## Standards:

EN 50288 ; EN 50173 ; EN 50174-2 ; ISO/IEC 11801 ; IEC 61156-5

## Chemical Properties:

RoHS 2011/65/EU ; IEC 60811-2-1 ( IRM 902, 4h with 70°C )

## Flame resistance:

IEC 60332-1 ; IEC 60754 ; IEC 61034

## Printing Text:

EasyLan® Silver – S/FTP – AWG 23/1 – Kat. 7A – 1200 MHz – >> fire class << – FRNC – LSZH – RoHS –  
 www.easylan.de >> Metering and Lot-Number <<

|   |               |            |    |   |            |    |   |
|---|---------------|------------|----|---|------------|----|---|
|   |               |            |    | drawn   | 08.12.2021 | LE |  |
|   |               |            |    | appr.   | 08.12.2021 | MJ |   |
| j | Änderung      | 19.06.2023 | MW | <b>Titel:</b><br><b>Data cable EasyLan Silver</b><br><b>AWG23 1200MHz</b><br><br><b>Drawing number:</b><br><b>ZN-DK210305</b> |            |    | Dimensions: mm  |
| i | Änderung      | 06.04.2023 | MW |   |            |    | Original: DIN A4  |
| h | Änderung      | 17.02.2023 | MW |   |            |    | Sheet 3 of 4  |
| g | Änderung      | 01.02.2023 | MW |   |            |    |   |
| f | Änderung      | 03.11.2022 | MW |   |            |    |   |
| e | Änderung      | 16.09.2022 | MW |   |            |    |   |
| d | Änderung      | 06.07.2022 | MW |   |            |    |   |
| c | Änderung      | 23.06.2022 | MW |   |            |    |   |
| b | Änderung      | 13.06.2022 | MW |   |            |    |   |
| a | Neuerstellung | 08.12.2021 | LE |   |            |    |   |


# Technical Data

## Transmission Performance:

| f in MHz | Attenuation<br>(dB/100m)<br>nom. | NEXT<br>(dB)<br>nom. | ACR<br>(dB/100m)<br>nom. | ELFEXT<br>(dB/100m)<br>nom. | RL<br>(dB)<br>nom. |
|----------|----------------------------------|----------------------|--------------------------|-----------------------------|--------------------|
| 1        | 1,8                              | 105                  | 103                      | 95                          | 25                 |
| 4        | 3,3                              | 105                  | 102                      | 93                          | 28                 |
| 10       | 5,3                              | 105                  | 100                      | 92                          | 30                 |
| 100      | 17,3                             | 100                  | 83                       | 83                          | 33                 |
| 200      | 24,8                             | 95                   | 70                       | 79                          | 28                 |
| 600      | 44,2                             | 90                   | 46                       | 70                          | 25                 |
| 1000     | 59,0                             | 85                   | 26                       | 54                          | 21                 |
| 1200     | 64,2                             | 82                   | 16                       | 51                          | 18                 |

## Order Codes:

|   |            |
|---|------------|
| EasyLan® data cable Silver simplex AWG23 1200MHz Dca s1a d2 a1  | CESS1312K  |
| EasyLan® data cable Silver duplex AWG23 1200MHz Dca s1a d2 a1   | CESS1312KD |
| EasyLan® data cable Silver simplex AWG23 1200MHz Cca s1a d1 a1  | CESS1314K  |
| EasyLan® data cable Silver duplex AWG23 1200MHz Cca s1a d1 a1   | CESS1314KD |
| EasyLan® data cable Silver simplex AWG23 1200MHz B2ca s1a d1 a1 | CESS1313K  |
| EasyLan® data cable Silver duplex AWG23 1200MHz B2ca s1a d1 a1  | CESS1313KD |

|  |               |            |      |   |            |    |   |
|--|---------------|------------|------|---|------------|----|---|
|  |               |            |      | drawn   | 08.12.2021 | LE |  <b>EasyLan®</b><br>...for a better connectivity |
|  |               |            |      | appr.   | 08.12.2021 | MJ |   |
| j<br>i<br>h<br>g<br>f<br>e<br>d<br>c<br>b<br>a | Änderung      | 19.06.2023 | MW   | <b>Titel:</b><br>Data cable EasyLan Silver<br>AWG23 1200MHz |            |    | Dimensions: mm  |
|  | Änderung      | 06.04.2023 | MW   |   |            |    |   |
|  | Änderung      | 17.02.2023 | MW   |   |            |    |   |
|  | Änderung      | 01.02.2023 | MW   | <b>Drawing number:</b><br>ZN-DK210305                       |            |    | Original: DIN A4  |
|  | Änderung      | 03.11.2022 | MW   |   |            |    |   |
|  | Änderung      | 16.09.2022 | MW   |   |            |    |   |
|  | Änderung      | 06.07.2022 | MW   | Sheet 4 of 4  |            |    |   |
|  | Änderung      | 23.06.2022 | MW   |   |            |    |   |
|  | Änderung      | 13.06.2022 | MW   |   |            |    |   |
| Index  | Revision Code | Date       | Name |   |            |    |   |