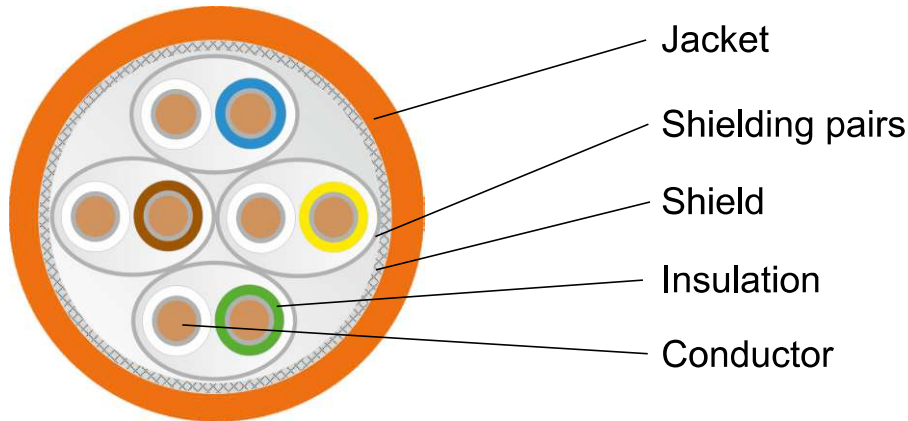
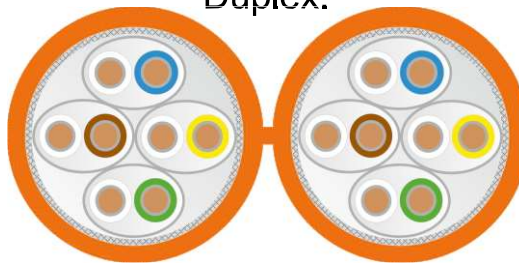


# Technical datasheet



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>.

i h g f e d c b a	Änderung	06.04.2023	MW	drawn	08.12.2021	LE	 <b>EasyLan</b> <sup>®</sup> ...for a better connectivity	
	Änderung	17.02.2023	MW	appr.	08.12.2021	MJ		
	Änderung	01.02.2023	MW	<b>Titel:</b> <b>Data cable EasyLan Silver</b> <b>AWG23 1200MHz</b>				
	Änderung	03.11.2022	MW					
	Änderung	16.09.2022	MW	<b>Drawing number:</b> <b>ZN-DK210305</b>				
Änderung	06.07.2022	MW						
Änderung	23.06.2022	MW	<b>Dimensions: mm</b> <b>Original: DIN A4</b> <b>Sheet 1 of 4</b>					
Änderung	13.06.2022	MW						
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
max. tensile strength	105 N

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i h g f e d c b a	Änderung	06.04.2023	MW	drawn	08.12.2021	LE	 <b>EasyLan</b> <sup>®</sup> ...for a better connectivity	
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	Änderung	01.02.2023	MW	<b>Titel:</b> <b>Data cable EasyLan Silver</b> <b>AWG23 1200MHz</b>				
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Änderung	06.07.2022	MW						
Änderung	23.06.2022	MW	<b>Dimensions: mm</b> <b>Original: DIN A4</b> <b>Sheet 2 of 4</b>					
Änderung	13.06.2022	MW						
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. 79%
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 Cca s1a d1 a1 acc. to EN 50399 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)

## Standards:

EN 50288-4-1 ; EN 50288-9-1 ; EN 50173 ; EN 50174-2 ; ISO/IEC 11801 2. Ausgabe ; IEC 61156-5

## Chemical Properties:

RoHS 2011/65/EU ; IEC 60811-2-1 ( IRM 902, 4h bei 70°C ) Brandlast 0,160kWh/m

## 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 >> Metrierung und Chargen-Nummer <<

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

## Transmission Performance:

f in MHz	Attenuation (dB/100m) nom.	NEXT (dB) nom.	ACR (dB/100m) nom.	ELFEXT (dB/100m) nom.	RL (dB) nom.
1	1,8	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

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