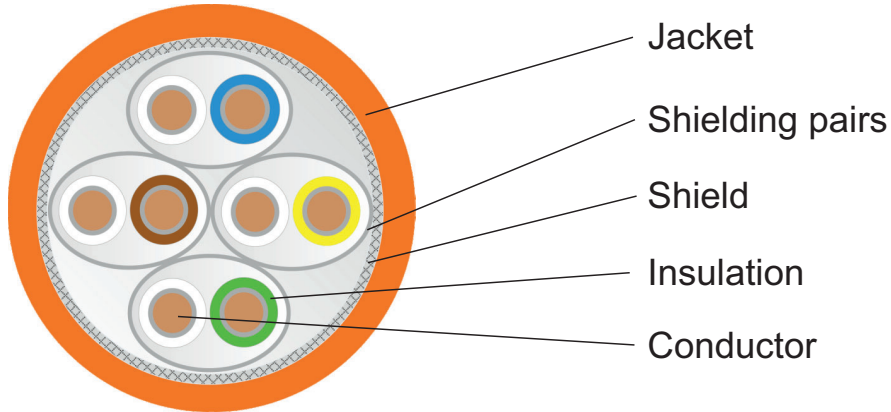
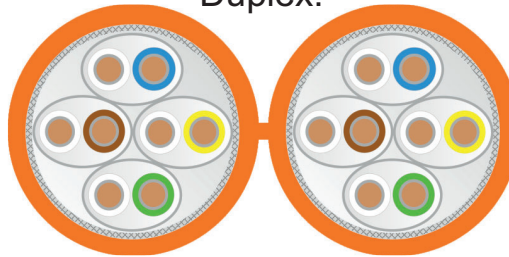


Technical datasheet



Duplex:



Data Cable EasyLan® Silver 1200

S/FTP Cat.7_A 1200 MHz

4x2xAWG23/1 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.

a	Neuerstellung	08.12.2021	LE	drawn	08.12.2021	LE				
				appr.	08.12.2021	MJ				
				Titel:				Data cable EasyLan Silver AWG23 1200MHz		
				Drawing number:						
Index	Revision Code	Date	Name	ZN-DK210305			Dimensions: mm			
							Original: DIN A4			
							Sheet 1 of 4			

Technical Data

Construction	
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
Color	orange, RAL 2003
Outer diameter simplex	7,6 mm +/- 0,2 mm
Outer diameter duplex	15,5 x 7,6 mm +/- 0,2 mm
Diameter wire	1,37 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	105 N

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				appr.	08.12.2021	MJ
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				Drawing number: ZN-DK210305		
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	<= 150 Ohm / km
Insulation resistance	> 5000MOhm*km
Capacity	nom. 45nF / km
Transfer impedance at 10MHz	<8 mOhm / m
Test voltage	700V AC
NVP	ca. 79%
Propagation delay	425ns / 100m
Delay skew	7 ns / 100m
Coupling attenuation	> 80 dB Type 2
Copper number simplex	26,5
Copper number duplex	53
Fire class	Dca s1 d2 a1 acc. to EN 50399 Cca s1 d2 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+ geeignet

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:

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® Silver – S/FTP – AWG 23/1 – Kat. 7A – 1200 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
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					Dimensions: mm		
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					Sheet 3 of 4		
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 s1 d2 a1	CESS1312K
EasyLan® data cable Silver duplex AWG23 1200MHz Dca s1 d2 a1	CESS1312KD
EasyLan® data cable Silver simplex AWG23 1200MHz Cca s1 d1 a1	CESS1314K
EasyLan® data cable Silver duplex AWG23 1200MHz Cca s1 d1 a1	CESS1314KD

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Index				Titel: Data cable EasyLan Silver AWG23 1200MHz		
Revision Code				Drawing number: ZN-DK210305		
Date				 EasyLan® ...for a better connectivity		
Name				Dimensions: mm		
				Original: DIN A4		
				Sheet 4 of 4		