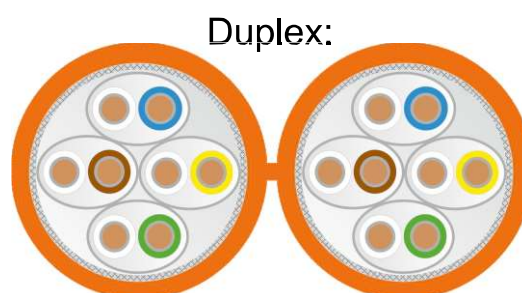
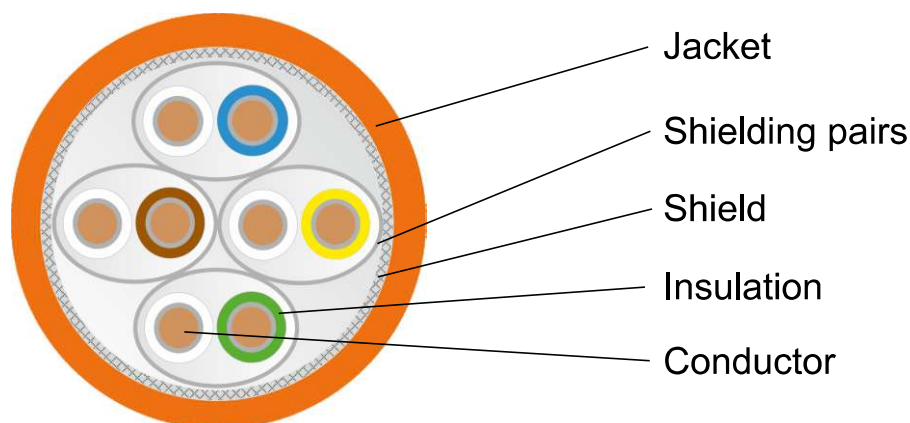


Technical datasheet



Data Cable EasyLan® Silver 1200

S/FTP Cat.7_A 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_A.

k j i h g f e d c b a	Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Neuerstellung	22.01.2025 19.06.2023 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 MW MW LE	drawn	08.12.2021	LE	 EasyLan® ...for a better connectivity
				appr.	08.12.2021	MJ	
				Titel:			
				Data cable EasyLan® Silver AWG23 1200MHz			
				Drawing number:			
				Dimensions: mm			
				Original: DIN A4			
				Sheet 1 of 4			
				Index	Revision Code	Date	

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 / 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
Outer diameter simplex, Fire Class B2ca	7,5 mm +/- 0,2 mm
Outer diameter duplex, Fire Class B2ca	15,0 x 7,5 mm +/- 0,2 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

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				appr.	08.12.2021	MJ	
				Titel: Data cable EasyLan® Silver AWG23 1200MHz			
				Drawing number: ZN-DK210305			
				Index	Revision Code	Date	Name

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Technical Data

Electrical Data	
Loop resistance	$\leq 150 \text{ Ohm / km}$
Insulation resistance	$> 5000 \text{ MOhm} \cdot \text{km}$
Capacity	nom. 45 nF / km
Transfer impedance	IEC 61156-5 Grade 1
Test voltage	700V AC
NVP	ca. 77%
Propagation delay	425 ns / 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 s2 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)
 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 <<

k j i h g f e d c b a	Änderung	22.01.2025	MW	drawn	08.12.2021	LE	 EasyLan® ...for a better connectivity
				appr.	08.12.2021	MJ	
	Titel:				Dimensions: mm		
	Data cable EasyLan® Silver				Original: DIN A4		
	AWG23 1200MHz				Sheet 3 of 4		
	Drawing number:						
	ZN-DK210305						
	Index	Revision Code	Date	Name			

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Phone: +49 9923 804379-0 Fax: +49 9923 804379-50 www.zvk-gmbh.de all data without guarantee

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 s2 d2 a1	CESS1312K
EasyLan® data cable Silver duplex AWG23 1200MHz Dca s2 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

k j i h g f e d c b a	Änderung	22.01.2025	MW	drawn	08.12.2021	LE	 EasyLan [®] ...for a better connectivity
	Änderung	19.06.2023	MW	appr.	08.12.2021	MJ	
	Änderung	06.04.2023	MW	Titel: Data cable EasyLan[®] Silver AWG23 1200MHz			
	Änderung	17.02.2023	MW				
	Änderung	01.02.2023	MW				
	Änderung	03.11.2022	MW	Drawing number: ZN-DK210305			
	Änderung	16.09.2022	MW				
	Änderung	06.07.2022	MW				
	Änderung	23.06.2022	MW	Dimensions: mm Original: DIN A4 Sheet 4 of 4			
	Änderung	13.06.2022	MW				
Neuerstellung	08.12.2021	LE					
Index	Revision Code	Date	Name				