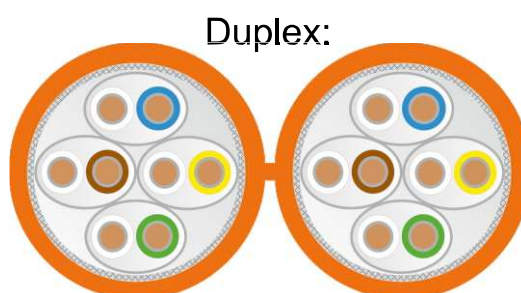
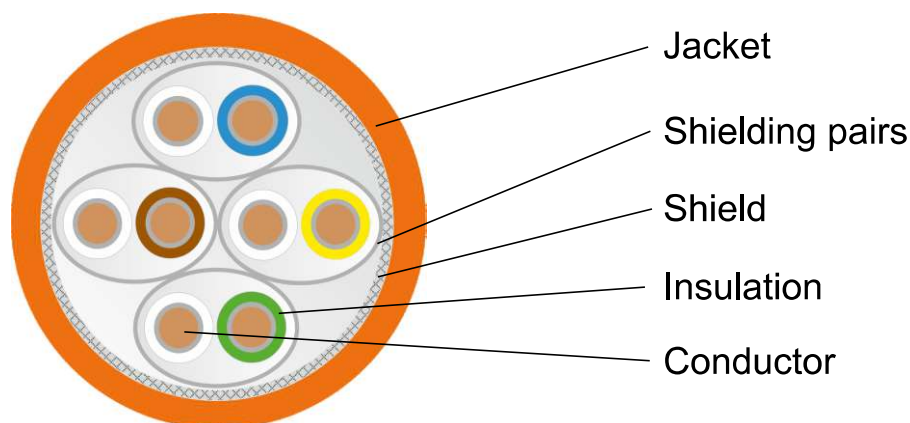


Technical datasheet



Data cable EasyLan® Bronze 1000

S/FTP Cat.7 1000 MHz

4x2xAWG 23/1 FRNC

Order Codes: see last page

Data cable for the transmission of analog and digital signals in primary, secondary and tertiary cabling, in structured building cabling and in data centers in accordance with ISO/IEC 24764 and EN 50173-5.

Suitable for applications up to class F and transmissions from 10 GBase-T to 100m (channel).

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				appr.	08.12.2021	MJ	
				Titel: Data cable EasyLan® Bronze AWG23 1000MHz			
				Drawing number: ZN-DK210306			
				Dimensions: mm			
				Original: DIN A4			
				Sheet 1 of 4			
Index	Revision code	Date	Name				

Technical Data

Construction	
Signal conductor	AWG23/1, bare
Insulation	SFS-PE foamed
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	7,0 mm +/- 0,2 mm
Outer diameter duplex, Fire class Dca	14,1 x 7,0 mm +/- 0,2 mm
Outer diameter simplex, Fire class Cca	7,3 mm +/- 0,2 mm
Outer diameter duplex, Fire class Cca	14,6 x 7,3 mm +/- 0,2 mm
Outer diameter simplex, Fire class B2ca	7,3 mm +/- 0,2 mm
Outer diameter duplex, Fire class B2ca	14,6 x 7,3 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 after installation	4x cable-Ø
Minimum bending radius for pulling during installation	8x cable-Ø

n m I k j i h g f e d c b a	Änderung	05.08.2025	MW	drawn	08.12.2021	LE	 EasyLan® ...for a better connectivity
	Änderung	23.01.2025	MW	appr.	08.12.2021	MJ	
	Änderung	19.06.2023	MW	Titel: Data cable EasyLan® Bronze AWG23 1000MHz			Dimensions: mm
	Änderung	06.04.2023	MW				Original: DIN A4
	Änderung	17.02.2023	MW	Drawing number: ZN-DK210306			Sheet 2 of 4
Index	Revision code	Date	Name				

Technical Data

Electrical Data	
Loop resistance	max. 150 Ohm / km
Insulation resistance	min. 5000MOhm*km
Capacity	nom. 45nF / km
Transfer impedance	IEC 61156-5 Grade 1
Test Voltage	750V AC
NVP	ca. 77%
Propagation delay	max. 425 ns / 100m
Delay skew	max. 12 ns / 100m
Coupling attenuation according to IEC 62153-4-9	80 dB min. @ 30-100 MHz
Copper number simplex	25,5
Copper number duplex	51
Fire classes available (acc. EN 50399 ; EN 60332-1-2 ; EN 61034-2 ; EN 50267-2-3	Dca s2 d2 a1 Cca s1a d1 a1 B2ca s1a d1 a1

Application standards:

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 : 4PPoE (Type 3+4)
 Multimedia CATV

Cabling Standards:

EN 50288 ; EN 50173 ; EN 50174-2 ; ISO/IEC 11801 ; IEC 61156-5 ; ISO/IEC 24764 ; EN 50173-5

Chemical characteristics

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® Bronze – S/FTP – AWG 23/1 – Kat. 7 – 1000 MHz – >> fire class << – FRNC – LSZH – RoHS –
 www.easylan.de >> Metering and Lot-Number <<

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				Titel:							
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				Drawing number:							
				ZN-DK210306							
				Dimensions: mm							
				Original: DIN A4							
				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	77	33
300	30,7	97	66	67	27
600	44,2	90	46	60	23
1000	59,0	82	23	50	20

Order Codes:

Description	Drum Layout	Order code
EasyLan® data cable Bronze simplex AWG23 1000MHz Dca s2 d2 a1	1000 m	CESB1310K
EasyLan® data cable Bronze duplex AWG23 1000MHz Dca s2 d2 a1	500 m	CESB1310KD
EasyLan® data cable Bronze simplex AWG23 1000MHz Cca s1a d1 a1	1000 m	CESB1314K
EasyLan® data cable Bronze duplex AWG23 1000MHz Cca s1a d1 a1	500 m	CESB1314KD
EasyLan® data cable Bronze simplex AWG23 1000MHz B2ca s1a d1 a1	1000 m	CESB1313K
EasyLan® data cable Bronze duplex AWG23 1000MHz B2ca s1a d1 a1	500 m	CESB1313KD

n m I k j i h g f e d c b a	Änderung	05.08.2025	MW	drawn	08.12.2021	LE	 EasyLan® ...for a better connectivity	
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	Änderung	19.06.2023	MW					
	Änderung	06.04.2023	MW					
	Änderung	17.02.2023	MW					
	Änderung	01.02.2023	MW					
	Änderung	24.01.2023	MW					
	Änderung	03.11.2022	MW					
	Änderung	16.09.2022	MW					
	Änderung	06.07.2022	MW					
Änderung	13.06.2022	MW	Dimensions: mm					
Änderung	01.04.2022	MW	Original: DIN A4					
Änderung	21.03.2022	MW	Sheet 4 of 4					
Neuerstellung	08.12.2021	LE						
Index	Revision code	Date	Name					