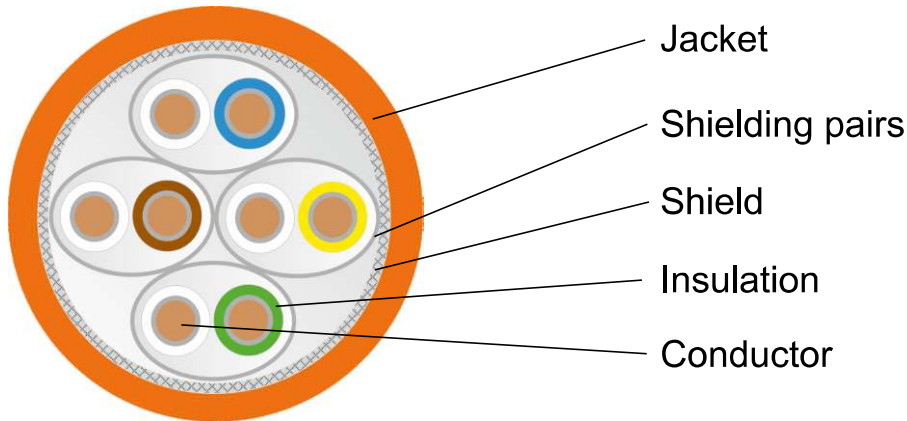
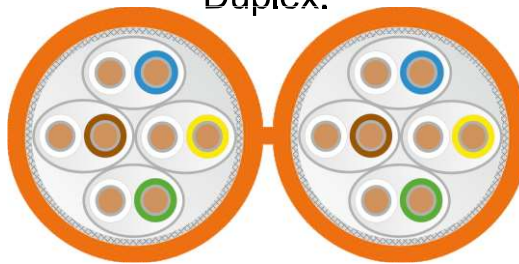


Technical datasheet



Duplex:



Data cable EasyLan® Bronze 1000

S/FTP Cat.7 1000 MHz

4x2xAWG 23/1 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.

Index	Revision code	Date	Name	drawn	08.12.2021	LE	 EasyLan® ...for a better connectivity			
				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		

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	7,0 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
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

All rights reserved ZVK GmbH D-94244 Teisnach Technologiecampus 2 Germany Phone: +49 9923 804379-0 Fax: +49 9923 804379-50 www.zvk-gmbh.de

i k j i h g f e d c b a	Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Neuerstellung	19.06.2023 06.04.2023 17.02.2023 01.02.2023 24.01.2023 03.11.2022 16.09.2022 06.07.2022 13.06.2022 01.04.2022 21.03.2022 08.12.2021	MW 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 Bronze AWG23 1000MHz				Dimensions: mm			
Drawing number: ZN-DK210306				Original: DIN A4			
Index Revision code Date Name				Sheet 2 of 4			

Technical Data

Electrical Data	
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	8 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 class	Dca s1 d2 a1 acc. to EN 50399 Cca s1a d1 a1 acc. to EN 50399 B2ca s1a d1 a1 acc. to EM 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® Bronze – S/FTP – AWG 23/1 – Kat. 7 – 1000 MHz – >> fire class << – FRNC – LSZH – RoHS –
 www.easylan.de >> Metering and Lot-Number <<

i k j i h g f e d c b a	Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Neuerstellung	19.06.2023 06.04.2023 17.02.2023 01.02.2023 24.01.2023 03.11.2022 16.09.2022 06.07.2022 13.06.2022 01.04.2022 21.03.2022 08.12.2021	MW MW MW MW MW MW MW MW MW MW MW LE	drawn	08.12.2021	LE	
				appr.	08.12.2021	MJ	
Titel:				Data cable EasyLan Bronze AWG23 1000MHz			Dimensions: mm
Drawing number:				ZN-DK210306			Original: DIN A4
Index	Revision code	Date	Name				Sheet 3 of 4

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:

EasyLan® data cable Bronze simplex AWG23 1000MHz Dca s1 d2 a1	CESB1310K
EasyLan® data cable Bronze duplex AWG23 1000MHz Dca s1 d2 a1	CESB1310KD
EasyLan® data cable Bronze simplex AWG23 1000MHz Cca s1a d1 a1	CESB1314K
EasyLan® data cable Bronze duplex AWG23 1000MHz Cca s1a d1 a1	CESB1314KD
EasyLan® data cable Bronze simplex AWG23 1000MHz B2ca s1a d1 a1	CESB1313K
EasyLan® data cable Bronze duplex AWG23 1000MHz B2ca s1a d1 a1	CESB1313KD

i k j i h g f e d c b a	Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Neuerstellung	19.06.2023 06.04.2023 17.02.2023 01.02.2023 24.01.2023 03.11.2022 16.09.2022 06.07.2022 13.06.2022 01.04.2022 21.03.2022 08.12.2021	MW 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 Bronze AWG23 1000MHz			Dimensions: mm
Drawing number:				ZN-DK210306			Original: DIN A4
Index				Revision code			Sheet 4 of 4
Date				Date			
Name				Name			