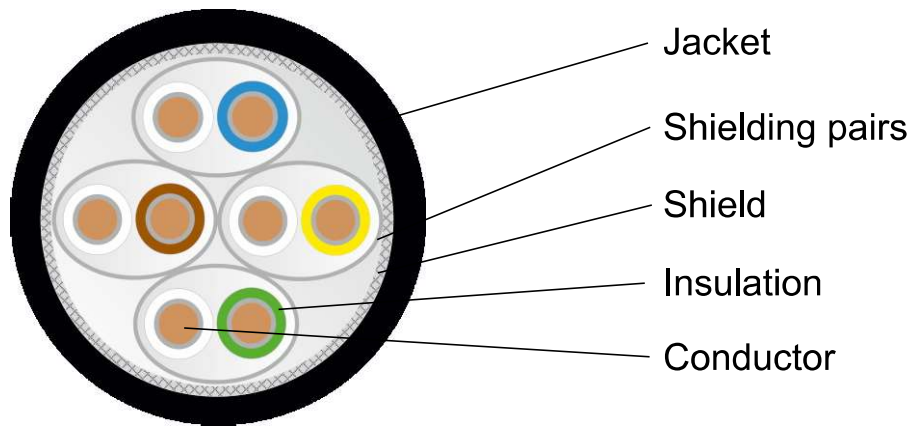


Technical datasheet



Data cable EasyLan® Bronze 1000 Outdoor Fca

**S/FTP Cat.7 1000 MHz
4x2xAWG 23/1 PE**

Order code: CESB1310KO


Data cable for transmission of analogue and digital signals for cabling within primary, secondary and tertiary area.
For applications up to class F.

				drawn	05.06.2023	LE	 EasyLan® <i>...for a better connectivity</i>
				appr.	05.06.2023	MW	
			Titel: Data cable EasyLan Bronze AWG23 1000MHz Outdoor			Dimensions: mm	
			Drawing number: ZN-DK230079			Original: DIN A4	
a	Neuerstellung	05.06.2023	LE				Sheet 1 of 4
Index	Revision code	Date	Name				

Technical Data

Construction	
Signal conductor	AWG23/1, bare
Insulation	SFS-PO
Color Code	IEC 708-1
Foil pair screen	Plastic laminated aluminium foil
Braid screen	Copper Wire 0,10vz
Jacket	Heavy-duty, UV-resistant PE for outdoor use
Color	black, RAL 9005
Outer diameter	9,5 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
max. tensile strength	50 N

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a	Neuerstellung	05.06.2023	LE	drawn	05.06.2023	LE
				appr.	05.06.2023	MW
						
				Titel: Data cable EasyLan Bronze AWG23 1000MHz Outdoor		
				Dimensions: mm		
				Original: DIN A4		
				Sheet 2 of 4		
Index	Revision code	Date	Name	Drawing number: ZN-DK230079		

Technical Data

Electrical Data	
Loop resistance	<=150 Ohm / km
Insulation resistance	> 5000 MOhm*km
Capacity	nom. 45nF / km
Transfer impedance	IEC 61156-5 Grade 1
Test Voltage	700V AC
NVP	ca. 78%
Propagation delay	425ns / 100m
Delay skew	8 ns / 100m
Coupling attenuation according to IEC 62153-4-9	80 dB @ 30-100 MHz
Copper number	25,5
Fire class	Fca

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 50174-2 ; ISO/IEC 11801 ; IEC 61156-5

Chemical Properties:

RoHs 2011/65/EU

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	a	Neuerstellung	05.06.2023	LE	drawn	05.06.2023	LE
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					Sheet 3 of 4		
Index	Revision code	Date	Name	Titel: Data cable EasyLan Bronze AWG23 1000MHz Outdoor Drawing number: ZN-DK230079			

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

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a	Neuerstellung	05.06.2023	LE	Titel: Data cable EasyLan Bronze AWG23 1000MHz Outdoor		
				Drawing number: ZN-DK230079		
				Dimensions: mm Original: DIN A4 Sheet 4 of 4		
Index	Revision code	Date	Name			

