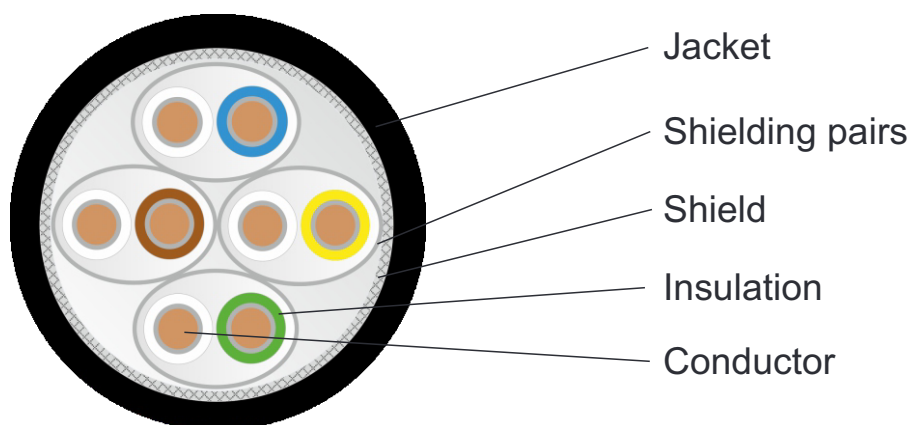


Technical Data sheet



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.

b a	Änd.elekt.Daten Neuerstellung	20.06.2023 05.06.2023	TG LE	drawn	05.06.2023	LE
				appr.	05.06.2023	MW
				Titel: Data cable EasyLan Bronze AWG23 1000MHz Outdoor		
				Drawing number: ZN-DK230079		
Index	Revision code	Date	Name	 EasyLan® ...for a better connectivity		
				Dimensions: mm		
				Original: DIN A4		
				Sheet 1 of 4		

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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				Sheet 2 of 4		

Technical Data

Electrical Data	
Loop resistance	$\leq 154 \text{ Ohm / km}$
Insulation resistance	$> 5000 \text{ MOhm*km}$
Capacity	nom. 45nF / km
Transfer impedance	IEC 61156-5 Grade 1
Test Voltage	750V AC
NVP	ca. 77%
Propagation delay	420ns / 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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				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

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Index	Revision code	Date	Name				Dimensions: mm
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							Sheet 4 of 4