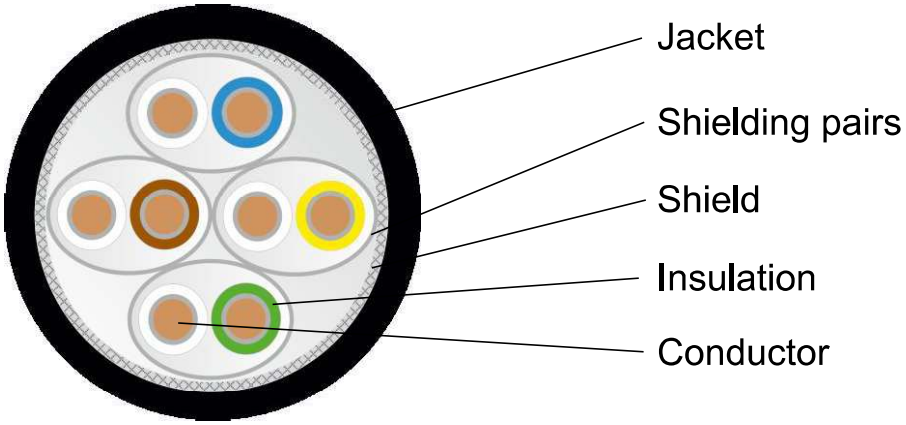
Technical Data sheet



Data cable EasyLan® Bronze 1000 Outdoor Fca

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

Order code: CESB1310KO

Datacable for transmission of analogue and digital signals
for cabling within outdoor area (UV resistant).

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

Index	Revision code	Date	Name
c	Anpassungen	14.01.2026	MW
b	Änd.elektr.Daten	20.06.2023	TG
a	Neuerstellung	05.06.2023	LE

drawn	05.06.2023	LE
appr.	05.06.2023	MW

Titel:
Data cable EasyLan Bronze AWG23 1000MHz Outdoor

Drawing number:
ZN-DK230079

EasyLan® ...for a better connectivity

Dimensions: mm

Original: DIN A4

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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 after installation	4x cable-Ø
Minimum bending radius for pulling during installation	8x cable-Ø

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Electrical Data	
Loop resistance	max.154 Ohm / km
Insulation resistance	min. MOhm*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. 15 ns / 100m
Coupling attenuation according to IEC 62153-4-9	80 dB @ 30-100 MHz
Copper number	25,5
Fire class	Fca

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 : 4 PPoE (Type 3+4)

Cabling Standards:

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

Chemical Properties:

RoHs 2011/65/EU

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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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