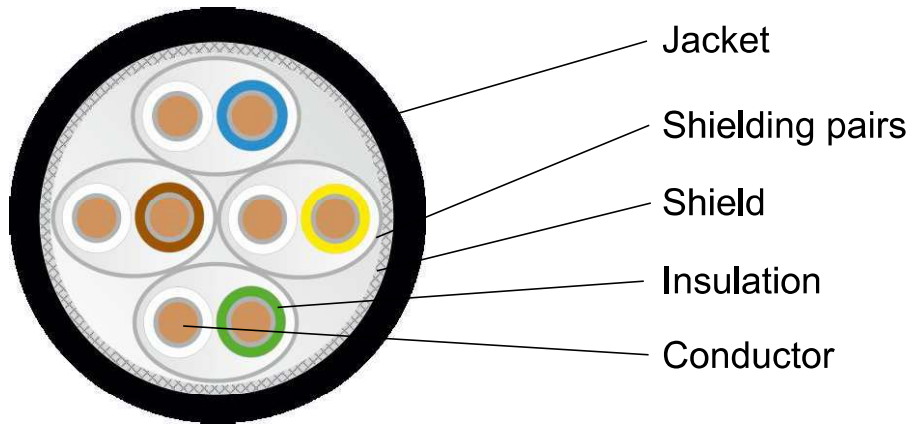


# Technical Data sheet



## 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 outdoor area (UV resistant).

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

c b a	Anpassungen Änd. elektr. Daten Neuerstellung	14.01.2026 20.06.2023 05.06.2023	MW TG LE	drawn	05.06.2023	LE	 <b>EasyLan®</b> <i>...for a better connectivity</i>	
				appr.	05.06.2023	MW		
				<b>Titel:</b> <b>Data cable EasyLan Bronze AWG23 1000MHz Outdoor</b>				Dimensions: mm
				<b>Drawing number:</b> <b>ZN-DK230079</b>				Original: DIN A4
Index	Revision code	Date	Name				Sheet 1 of 4	

# Technical Data

<b>Construction</b>	
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
<b>Mechanical Data</b>	
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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				drawn	05.06.2023	LE
				appr.	05.06.2023	MW
c b a	Anpassungen Änd. Elektr. Daten Neuerstellung	14.01.2026 20.06.2023 05.06.2023	MW TG LE	 <b>EasyLan</b> <sup>®</sup> ...for a better connectivity		
				Dimensions: mm Original: DIN A4 Sheet 2 of 4		
Index	Revision code	Date	Name	Titel: <b>Data cable EasyLan Bronze          AWG23 1000MHz Outdoor</b> Drawing number: <b>ZN-DK230079</b>		

# Technical Data

<b>Electrical Data</b>	
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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				Drawing number: <b>ZN-DK230079</b>		
Index	Revision code	Date	Name			
				 <b>EasyLan</b> <sup>®</sup> ...for a better connectivity		
				Dimensions: mm		
				Original: DIN A4		
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# 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

c b a	Anpassungen Änd. elektr. Daten Neuerstellung	14.01.2026 20.06.2023 05.06.2023	MW TG LE	drawn	05.06.2023	LE	 <b>EasyLan</b> <sup>®</sup> ...for a better connectivity			
				appr.	05.06.2023	MW				
				Titel:				<b>Data cable EasyLan Bronze AWG23 1000MHz Outdoor</b>		
				Drawing number:						
Index	Revision code	Date	Name	<b>ZN-DK230079</b>			Dimensions: mm			
							Original: DIN A4			
							Sheet 4 of 4			