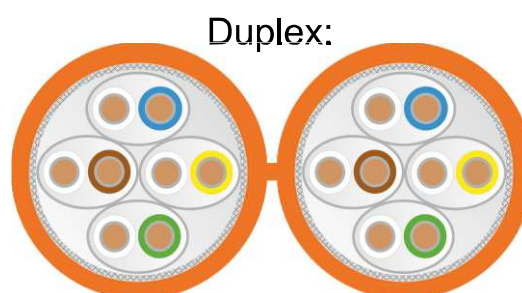
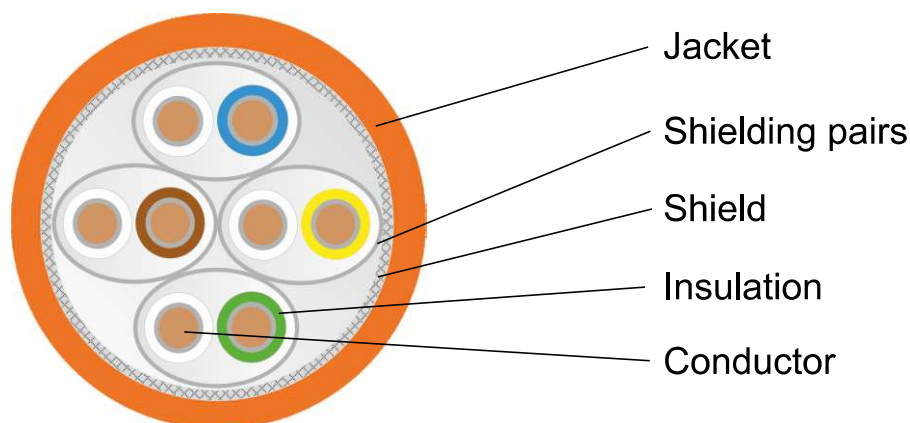


Technical datasheet



Data cable EasyLan® Gold 1500

S/FTP Cat.7_A 1500 MHz

4x2xAWG 22/1 FRNC

Order Codes: see last page

Data cable for the transmission of analog and digital signals in primary, secondary and tertiary cabling, in structured building cabling and in data centers in accordance with ISO/IEC 24764 and EN 50173-5 as well as TR 11801-9901.

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

L k j i h g f e d c b a	Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Neuerstellung	02.07.2025 23.01.2025 19.06.2023 17.02.2023 01.02.2023 07.11.2022 03.11.2022 27.10.2022 16.09.2022 06.07.2022 13.06.2022 08.12.2021	MW MW MW MW MW MW MW LE MW MW MW LE	drawn	08.12.2021	LE	 EasyLan[®] ...for a better connectivity
				appr.	08.12.2021	MJ	
				Titel:			
				Data cable EasyLan Gold AWG22 1500MHz			
				Drawing number:			
				ZN-DK210304			

Index	Revision code	Date	Name	Dimensions: mm
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				Sheet 1 of 4

Technical Data

Construction	
Signal conductor	AWG22/1, bare
Insulation	SFS-PE foamed
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	7,6 mm +/- 0,2 mm
Outer diameter duplex, Fire class Dca	15,3 x 7,6 mm +/- 0,2 mm
Outer diameter simplex, Fire class Cca	7,9 mm +/- 0,2 mm
Outer diameter duplex, Fire class Cca	16,0 x 7,9 mm +/- 0,2 mm
Outer diameter simplex, Fire class B2ca	7,9 mm +/- 0,2 mm
Outer diameter duplex, Fire class B2ca	16,0 x 7,9 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

L k j i h g f e d c b a	Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Neuerstellung	02.07.2025 23.01.2025 19.06.2023 17.02.2023 01.02.2023 07.11.2022 03.11.2022 27.10.2022 16.09.2022 06.07.2022 13.06.2022 08.12.2021	MW MW MW MW MW MW MW LE MW MW MW LE	drawn	08.12.2021	LE				
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								 EasyLan[®] ...for a better connectivity		
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Technical Data

Electrical Data	
Loop resistance	max. 128 Ohm / km
Insulation resistance	min. 5000 MOhm*km
Capacity	nom. 45 nF / km
Transfer impedance	IEC 61156-5 Grade 1
Test voltage	750 V AC
NVP	ca. 77%
Propagation delay	max. 425 ns / 100m
Delay skew	max. 8 ns / 100m
Coupling attenuation according to IEC 62153-4-9	80 dB min. @ 30-100 MHz
Copper number simplex	34
Copper number duplex	68
Fire classes available (acc. EN 50399 ; EN 60332-1-2 ; EN 61034-2 ; EN50267-2-3)	Dca s2 d2 a1 Cca s1a d1 a1 B2ca s1a d1 a1

Application standards:

IEEE 802.3 : Ethernet 10Base-T ; Fast Ethernet 100Base-T ; Gigabit Ethernet 1000Base-T ; 10GBase-T ; 25GBase-T

IEEE 802.5 : ISDN ; FDDI ; ATM ; Cable sharing

IEEE 802.3at : PoE/PoE+

IEEE 802.3bt : 4PPoE (Type 3+4)

Multimedia CATV

Cabling Standards:

EN 50288 ; EN 50173 ; EN 50174-2 ; ISO/IEC 11801 ; IEC 61156-5 ; ; ISO/IEC 24764 ; EN 50173-5 ; TR 11801-9901

Chemical characteristics:

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® Gold – S/FTP – AWG 22/1 – Kat. 7A – 1500 MHz – >> fire class << – FRNC – LSZH – RoHS –

www.easylan.de >> Metering and Lot-Number <<

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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	1,7	110	108	105	25
4	3,2	110	107	103	28
10	5,1	110	105	100	30
100	16,5	108	91	85	30
300	29,1	100	71	70	27
600	41,5	93	51	60	25
1000	54,9	88	33	52	24
1200	58,8	85	26	42	23
1500	67,8	83	15	30	21

Order Codes:

Description	Drum Layout	Order code
EasyLan® data cable Gold simplex AWG22 1500MHz Dca s2 d2 a1	1000 m	CESG1212K
EasyLan® data cable Gold duplex AWG22 1500MHz Dca s2 d2 a1	500 m	CESG1212KD
EasyLan® data cable Gold simplex AWG22 1500MHz Cca s1a d1 a1	1000 m	CESG1214K
EasyLan® data cable Gold duplex AWG22 1500MHz Cca s1a d1 a1	500 m	CESG1214KD
EasyLan® data cable Gold simplex AWG22 1500MHz B2ca s1a d1 a1	1000 m	CESG1213K
EasyLan® data cable Gold duplex AWG22 1500MHz B2ca s1a d1 a1	500 m	CESG1213KD

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