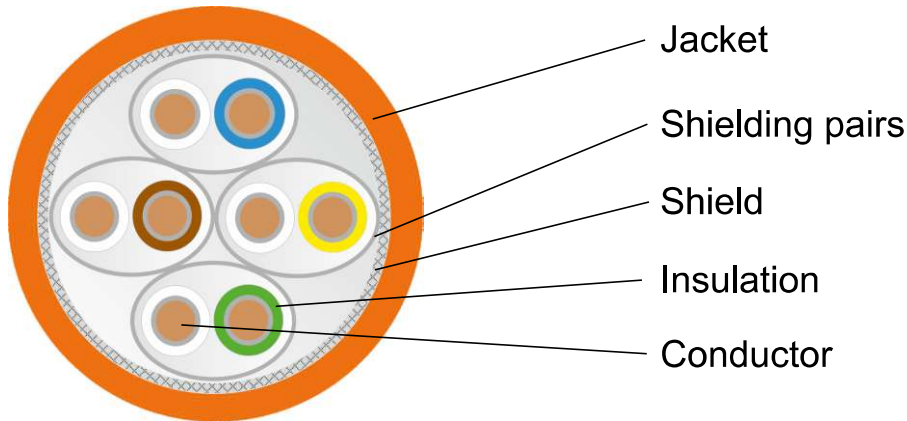
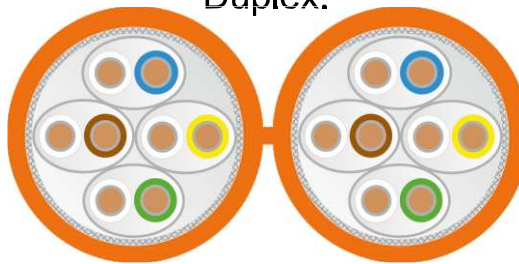


# Technical datasheet



Duplex:



## Data cable EasyLan® Gold 1500

S/FTP Cat.7<sub>A</sub> 1500 MHz

4x2xAWG 22/1 FRNC

Order Codes: see last page

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

				drawn	08.12.2021	LE	 <b>EasyLan</b> <sup>®</sup> ...for a better connectivity
				appr.	08.12.2021	MJ	
j i h g f e d c b a	Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Neuerstellung	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 LE MW MW MW LE	Titel: <b>Data cable EasyLan Gold AWG22 1500MHz</b>			Dimensions: mm
				Drawing number: <b>ZN-DK210304</b>			Original: DIN A4
Index	Revision code	Date	Name				Sheet 1 of 4

# Technical Data

<b>Construction</b>	
Signal conductor	AWG22/1, bare
Insulation	SFS-PE
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
<b>Mechanical Data</b>	
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

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j i h g f e d c b a	Änderung	19.06.2023	MW	drawn 08.12.2021 LE	 <b>EasyLan</b> <sup>®</sup> ...for a better connectivity			
	Änderung	17.02.2023	MW			appr.	08.12.2021	MJ
	Änderung	01.02.2023	MW			<b>Titel:</b> <b>Data cable EasyLan Gold</b> <b>AWG22 1500MHz</b>		
	Änderung	07.11.2022	MW					
	Änderung	03.11.2022	MW					
Änderung	27.10.2022	LE	<b>Drawing number:</b> <b>ZN-DK210304</b>					
Änderung	16.09.2022	MW	<b>Dimensions: mm</b>					
Änderung	06.07.2022	MW	<b>Original: DIN A4</b>					
Änderung	13.06.2022	MW	<b>Sheet 2 of 4</b>					
Neuerstellung	08.12.2021	LE						
Index	Revision code	Date	Name					

# Technical Data

<b>Electrical Data</b>	
Loop resistance	<= 120 Ohm / km
Insulation resistance	> 5000MOhm*km
Capacity	nom. 45nF / km
Transfer impedance	IEC 61156-5 Grade 1
Test voltage	750V AC
NVP	ca. 77%
Propagation delay	425ns / 100m
Delay skew	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	Dca s1a d2 a1 acc. to EN 50399 Cca s1a d1 a1 acc. to EN 50399 B2ca s1a d1 a1 acc.to EN 50399

## Applications:

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 : PoE++ (Type 3+4)  
 Multimedia CATV

## Standards:

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

## Chemical Properties:

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 <<

				drawn	08.12.2021	LE	
				appr.	08.12.2021	MJ	
j	Änderung	19.06.2023	MW	<b>Titel:</b> <b>Data cable EasyLan Gold</b> <b>AWG22 1500MHz</b>			Dimensions: mm
i	Änderung	17.02.2023	MW				
h	Änderung	01.02.2023	MW	<b>Drawing number:</b> <b>ZN-DK210304</b>			Original: DIN A4
g	Änderung	07.11.2022	MW				
f	Änderung	03.11.2022	MW	Sheet 3 of 4			
e	Änderung	27.10.2022	LE				
d	Änderung	16.09.2022	MW				
c	Änderung	06.07.2022	MW				
b	Änderung	13.06.2022	MW				
a	Neuerstellung	08.12.2021	LE				
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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:

EasyLan® data cable Gold simplex AWG22 1500MHz Dca s1a d2 a1	CESG1212K
EasyLan® data cable Gold duplex AWG22 1500MHz Dca s1a d2 a1	CESG1212KD
EasyLan® data cable Gold simplex AWG22 1500MHz Cca s1a d1 a1	CESG1214K
EasyLan® data cable Gold duplex AWG22 1500MHz Cca s1a d1 a1	CESG1214KD
EasyLan® data cable Gold simplex AWG22 1500MHz B2ca s1a d1 a1	CESG1213K
EasyLan® data cable Gold duplex AWG22 1500MHz B2ca s1a d1 a1	CESG1213KD

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j i h g f e d c b a	Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Änderung Neuerstellung	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 LE MW MW MW LE	drawn	08.12.2021	LE	 <b>EasyLan®</b> ...for a better connectivity	
				appr.	08.12.2021	MJ		
				Titel: <b>Data cable EasyLan Gold AWG22 1500MHz</b>				Dimensions: mm
				Drawing number: <b>ZN-DK210304</b>				Original: DIN A4
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