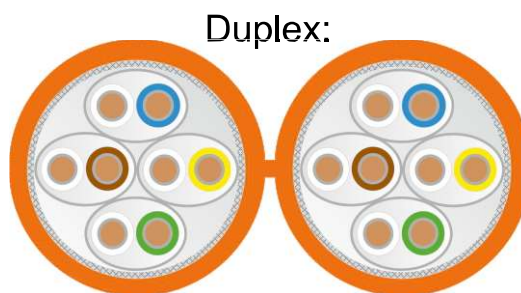


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S/FTP Cat.7_A 1500 MHz
4x2xAWG 22/1 FRNC
Order Codes: see last page

Datatable for transmission of analogue and digital signals for cabling within primary, secondary and tertiary area.
For applications up to class F_A.

h g f e d c b a	Änderung	01.02.2023	MW	drawn	08.12.2021	LE	
	Änderung	07.11.2022	MW	appr.	08.12.2021	MJ	
	Änderung	03.11.2022	MW	Titel: Data cable EasyLan Gold AWG22 1500MHz			
	Änderung	27.10.2022	LE				
	Änderung	16.09.2022	MW				
	Änderung	06.07.2022	MW	Drawing number: ZN-DK210304			
	Änderung	13.06.2022	MW				
	Neuerstellung	08.12.2021	LE				
Index	Revision code	Date	Name				Dimensions: mm
							Original: DIN A4
							Sheet 1 of 4

Technical Data

Construction	
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
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	120 N

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

Technical Data

Electrical Data	
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. 79%
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 : 16MB ; ISDN ; TPDDI ; ATM
 IEEE 802.3at : PoE/PoE+
 IEEE 802.3bt : PoE++ (Type 3+4)
 Multimedia CATV

Standards:

EN 50288-4-2 ; EN 50173-5 ; ISO/IEC 11801 2017-11 ; IEC 61156-5

Chemical Properties:

RoHS 2011/65/EU ; IEC 60811-2-1 (IRM 902, 4h bei 70°C), 0,185 kWh/m

Flame resistance:

IEC 60332-1 ; IEC 60754 ; IEC 61034 ; EN 61034-2 (VDE 0482-1034-2)

Printing Text:

EasyLan® Gold – S/FTP – AWG 22/1 – Kat. 7A – 1500 MHz – >> fire class << – FRNC – RoHS –
 www.easylan.de >> Metrierung und Chargen-Nummer <<

hgfe dcba	Änderung Änderung Änderung Änderung Änderung Änderung Neuerstellung	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 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:			
Index	Revision code	Date	Name	ZN-DK210304			Dimensions: mm
							Original: DIN A4
							Sheet 3 of 4

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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

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

hgfe dca	Änderung Änderung Änderung Änderung Änderung Neuerstellung	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 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:			
Index	Revision code	Date	Name	ZN-DK210304			Dimensions: mm
						Original: DIN A4	
						Sheet 4 of 4	