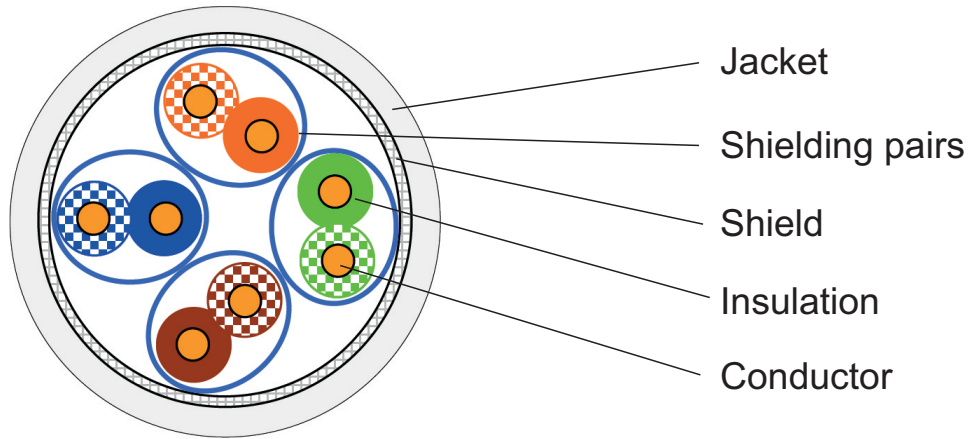



Technical Data Sheet



Data cable EasyLan® Platin 2000

S/FTP Cat.8 2000 MHz
4x2xAWG 22/1 FRNC
Order Code: 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_A.

				drawn	14.12.2021	MW	 EasyLan® ...for a better connectivity
				appr.	14.12.2021	MJ	
				Titel: Data cable EasyLan Platin AWG22/1 2000MHz			Dimensions: mm
				Drawing Number: ZN-DK210315			Original: DIN A4
Index	Revision Code	Date	Name				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
Color	white, RAL 9010
Outer diameter simplex	8,3 mm +/- 0,2 mm
Diameter wire	1,55 mm +/- 0,02 mm
Mechanical Data	
Temperature range	
Operation	-20°C up to +60°C
Installation	0°C up to +50°C
Minimum bending radius installation	5x cable-Ø
Minimum bending radius for pulling during installation	10x cable-Ø
max. tensile strength	150 N

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d c b a	Änderung	16.03.2023	LE	drawn	14.12.2021	MW	 EasyLan [®] ...for a better connectivity	
	Änderung	17.02.2023	MW	appr.	14.12.2021	MJ		
	Änderung	04.07.2022	MW	Titel: Data cable EasyLan Platin AWG22/1 2000MHz				
	Neuerstellung	14.12.2021	MW	Drawing Number: ZN-DK210315				
Index	Revision Code	Date	Name	Dimensions: mm Original: DIN A4 Sheet 2 of 4				

Technical Data

Electrical Data	
Loop resistance	<= 125 Ohm / km
Insulation resistance	> 5000MOhm*km
Capacity	nom. 45nF / km
Transfer impedance at 10MHz	< 8 mOhm / m
Test voltage	700V AC
NVP	appr. 74%
Propagation delay	425ns / 100m
Delay skew	10 ns / 100m
Coupling attenuation	> 85 dB
Fire class	Dca s1 d2 a1 acc. to EN 50399

Applications:

IEEE 802.3 : Ethernet 10Base-T ; Fast Ethernet 100Base-T ; Gigabit Ethernet 1000Base-T ; 10GBase-T ; 40GBase-T (EoR/ToR) ; provides 25GBase-T till 30m acc. ISO/IEC TR 11801-9905 (2018-02) ;
 IEEE 802.5 : ISDN ; FDDI ; ATM ; Cable sharing ; Video ; TV ; IEEE 802.3at : PoE/PoE+ ;
 IEEE 802.3bt : 4PPoE

Standards:

EN 50288-4-1 ; EN 50288-9-1 ; EN 50173 ; ISO/IEC 11801 2.Ausgabe ; IEC 61156-5 ; IEC 61156-9

Chemical Properties:

RoHS 2011/65/EU ; IEC 60811-2-1 (IRM 902, 4h with 70°C)


Flame resistance:

EN 60332-1-2 ; EN 60332-2-24 ; EN 50399 ; EN 50575 ; EN 61034 ; EN 50267 ; IEC 60754-2 ; IEC 61034 ; EN 13501-6 ; Class Dca s1 d2 a1

Printing Text

EasyLan® Platin – S/FTP – AWG 22/1 – Kat. 8 – 2000 MHz – Dca s1 d2 a1 – FRNC– LSZH – RoHS –
 www.easylan.de >> Metrierung und Chargen-Nummer <<

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	Neuerstellung	14.12.2021	MW	Drawing Number: ZN-DK210315				
Index	Revision Code	Date	Name				Dimensions: mm Original: DIN A4 Sheet 3 of 4	

Technical Data


Transmission Performance:

f in MHz	Attenuation (dB/30m) nom.	NEXT (dB) nom.	ACR (dB/30m) nom.	RL (dB) nom.
1	0,55	105	104	25
4	0,95	105	104	28
10	1,53	105	103	30
16	1,92	105	103	30
20	2,13	105	103	30
31,25	2,7	105	102	30
62,5	3,93	105	101	30
100	4,95	103	98	30
155	6,48	102	96	29
200	7,05	100	93	28
300	8,73	99	90	27
500	11,10	96	85	26
600	12,54	92	79	25
900	15,48	88	73	23
1000	16,47	85	69	22
1200	17,64	85	67	21
1600	20,84	83	62	19
2000	23,5	80	56	17

Order Codes:

EasyLan® data cable Platin simplex AWG22 2000MHz Dca s1 d2 a1

CESG1218K

<small>d</small> <small>c</small> <small>b</small> <small>a</small>	<small>Änderung</small> <small>Änderung</small> <small>Änderung</small> <small>Neuerstellung</small>	<small>16.03.2023</small> <small>17.02.2023</small> <small>04.07.2022</small> <small>14.12.2021</small>	<small>LE</small> <small>MW</small> <small>MW</small> <small>MW</small>	<small>drawn</small> 	<small>14.12.2021</small> 	<small>MW</small> 	 EasyLan® <small>...for a better connectivity</small>	
					<small>appr.</small> 	<small>14.12.2021</small> 		<small>MJ</small>
					<small>Titel:</small> Data cable EasyLan Platin AWG22/1 2000MHz			
					<small>Drawing Number:</small> ZN-DK210315			
<small>Index</small>	<small>Revision Code</small>	<small>Date</small>	<small>Name</small>				Dimensions: mm	
							Original: DIN A4	
							Sheet 4 of 4	