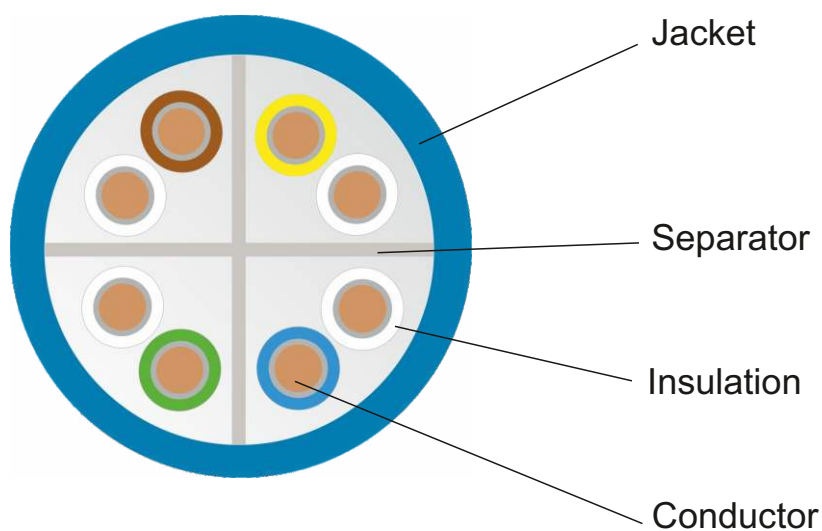



Technical datasheet



Data cable EasyLan®

U/UTP Cat.6_A 500 MHz
4x2xAWG 23/1 FRNC
Order Code Simplex: CEUU1313K


Data cable for transmission of analogue and digital signals for cabling within primary, secondary and tertiary area.

				drawn	28.09.2020	LP	
				appr.	28.09.2020	MJ	
				Titel: Data Cable EasyLan U/UTP AWG23 500 MHz Eca			Dimensions: mm
				Drawing number: ZN-DK200430			Original: DIN A4
Index	Revision code	Date	Name				Sheet 1 of 4

Technical Data

Construction	
Signal conductor	AWG23/1, bare
Insulation	PE
Color Code	IEC 708-1
Foil pair screen	none
Braid screen	none
Jacket	FRNC
Color	blue
Outer diameter simplex	6,5 mm +/- 0,2 mm
Diameter wire	1,00 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	4x cable-Ø
Minimum bending radius for pulling during installation	8x cable-Ø
max. tensile strength	100 N

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b a	Änderung Neuerstellung	13.10.2021 28.09.2020	MW LP	drawn	28.09.2020	LP	
				appr.	28.09.2020	MJ	
Titel: Data Cable EasyLan U/UTP AWG23 500 MHz Eca				Dimensions: mm			
Drawing number: ZN-DK200430				Original: DIN A4			
Index	Revision code	Date	Name	Sheet 2 of 4			

Technical Data

Electrical Data	
Loop resistance	<= 150 Ohm / km
Insulation resistance	> 5000MOhm*km
Capacity	nom. 50nF / km
Transfer impedance at 10MHz	100 mOhm / m
Test voltage	700V AC
NVP	ca. 67%
Propagation delay	510ns / 100m
Delay skew	20 ns / 100m
Coupling attenuation	> 45 dB Type 3
Copper number simplex	20
Fire class	Eca

Applications:

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+ geeignet

Standards:


EN 50288-6-1 ; EN 50288-11-1 ; EN 50173 ; EN 50174-2 ; ISO/IEC 11801 2. Ausgabe ; IEC 61156-5 ;
 TIA/EIA-568-B-2-10 Draft 5.0 ; EN 60332-1 ; EN 50575; EN 61034 ; EN 50267 ; IEC 60754-2 ;
 IEC 61034 ; EN 13501-6

Chemical Properties:

RoHS 2011/95/EU ; IEC 60811-2-1 (IRM 902, 4h bei 70°C) Brandlast 0,132kWh/m

Printing Text:

EasyLan® U/UTP – AWG 23/1 – Kat. 6A – 500 MHz – Eca – FRNC – RoHS – Made in Germany –
www.easylan.de >> Metrierung und Chargen-Nummer <<


b a	Änderung Neuerstellung	13.10.2021 28.09.2020	MW LP	drawn	28.09.2020	LP		
				appr.	28.09.2020	MJ		
Index			Revision code	Date	Name	Titel: Data Cable EasyLan U/UTP AWG23 500 MHz Eca		
						Drawing number: ZN-DK200430		
							Dimensions: mm	
							Original: DIN A4	
							Sheet 3 of 4	

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	87	85	85	25
4	3,5	76	72	72	28
10	5,5	72	66	63	30
31,25	9,9	66	56	54	30
100	18,0	63	45	43	30
155	22,1	60	38	40	30
200	25,3	57	32	38	29
300	31,8	55	23	36	28
400	35,7	54	18	35	27
500	39,8	53	13	34	26

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b a	Änderung Neuerstellung	13.10.2021 28.09.2020	MW LP	drawn	28.09.2020	LP	 EasyLan [®] ...for a better connectivity
				appr.	28.09.2020	MJ	
Titel: Data Cable EasyLan U/UTP AWG23 500 MHz Eca				Dimensions: mm			
Drawing number: ZN-DK200430				Original: DIN A4			
Index	Revision code	Date	Name	Sheet 4 of 4			