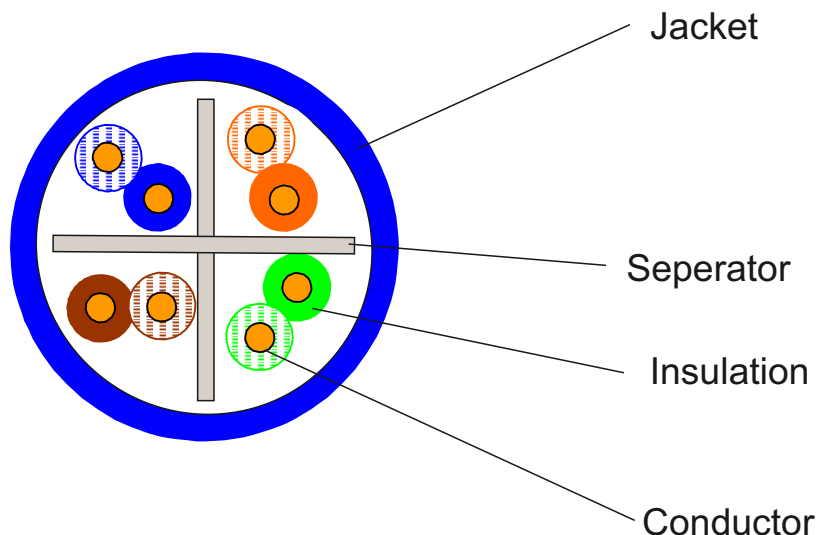



Technical datasheet



Data cable EasyLan®

**U/UTP Cat.6 350 MHz
4x2xAWG 24/1 FRNC
Order Code Simplex: CEUU1212K**


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

				drawn	08.07.2020	LP	 EasyLan® <i>...for a better connectivity</i>
				appr.	08.07.2020	MJ	
b a	Änderung Neuerstellung	18.10.2021 08.07.2020	MW LP	Titel: Data cable EasyLan U/UTP AWG24 350 MHz Eca			Dimensions: mm
				Drawing number: ZN-DK200340			Original: DIN A4
Index	Revision code	Date	Name				Sheet 1 of 4

Technical Data

Construction	
Signal conductor	AWG24/1, bare
Insulation	PE
Color Code	IEC 708-1
Foil pair screen	none
Braid screen	none
Jacket	FRNC
Color	blue
Outer diameter simplex	6,3 mm +/- 0,2 mm
Diameter wire	0,98 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	90 N

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b a	Änderung Neuerstellung	18.10.2021 08.07.2020	MW LP	drawn	08.07.2020	LP	 EasyLan [®] ...for a better connectivity
				appr.	08.07.2020	MJ	
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Drawing number: ZN-DK200340				Original: DIN A4			
Index	Revision code	Date	Name	Sheet 2 of 4			

Technical Data

Electrical Data	
Loop resistance	<= 180 Ohm / km
Insulation resistance	> 5000MOhm*km
Capacity	nom. 45nF / 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	18
Fire class	Eca

Applications:

IEEE 802.3 : Ethernet 10Base-T ; Fast Ethernet 100Base-T ; Gigabit Ethernet 1000Base-T
 IEEE 802.5 : ISDN; FDDI; ATM; Cable sharing

Standards:

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


Chemical Properties:

RoHS 2011/95/EU ; IEC 60811-2-1 (IRM 902, 4h bei 70°C) Brandlast 0,160kWh/m

Printing Text:

EasyLan® U/UTP – AWG 24/1 – Kat. 6 – 350 MHz – Eca – FRNC – RoHS – Made in Germany –
www.easylan.de >> Metrierung und Chargen-Nummer <<


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b a	Änderung Neuerstellung	18.10.2021 08.07.2020	MW LP	drawn	08.07.2020	LP		
				appr.	08.07.2020	MJ		
Index			Revision code	Date	Name	Titel: Data cable EasyLan U/UTP AWG24 350 MHz Eca		
						Dimensions: mm Original: DIN A4 Sheet 3 of 4		
						Drawing number: ZN-DK200340		

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	5,6	72	66	63	30
31,25	10,4	66	56	54	30
62,5	13,8	65	51	51	30
100	18,2	63	45	43	30
200	26	57	31	38	29
350	35,2	54	19	34	27

b a	Änderung Neuerstellung	18.10.2021 08.07.2020	MW LP	drawn	08.07.2020	LP	 EasyLan [®] ...for a better connectivity
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Drawing number: ZN-DK200340				Original: DIN A4			
Index	Revision code	Date	Name	Sheet 4 of 4			