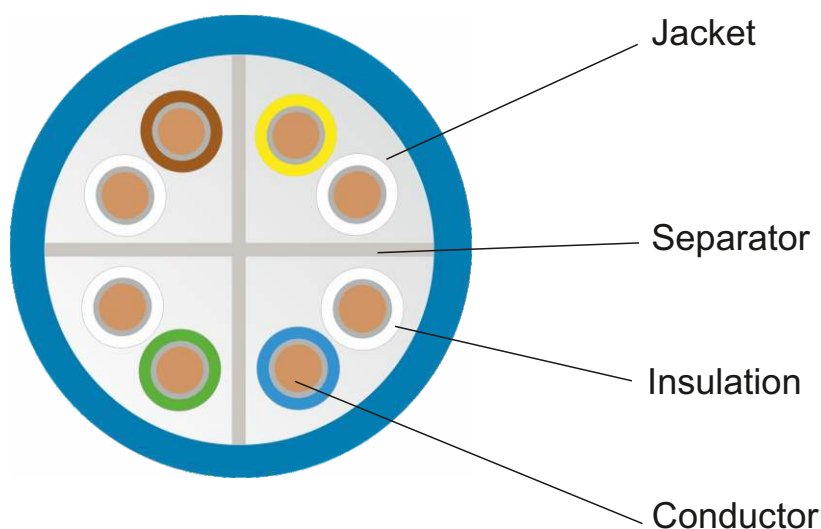



Technical datasheet



Data cable EasyLan®

U/UTP Cat.6 350 MHz
4x2xAWG 24/1 FRNC
Order Code Simplex: CEUU1312K


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

				drawn	04.09.2020	LP	 EasyLan® ...for a better connectivity
				appr.	04.09.2020	MJ	
				Titel: Data cable EasyLan U/UTP AWG24 350 MHz Cca			Dimensions: mm
				Drawing number: ZN-DK200408			Original: DIN A4
Index	Revision code	Date	Name				Sheet 1 of 4
d	Änderung	18.10.2021	MW				
c	Änderung	10.12.2020	LP				
b	Änderung	27.10.2020	LP				
a	Neuerstellung	04.09.2020	LP				

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	6,4 mm +/- 0,3 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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d c b a	Änderung	18.10.2021	MW	drawn	04.09.2020	LP	 EasyLan [®] ...for a better connectivity	
	Änderung	10.12.2020	LP	appr.	04.09.2020	MJ		
	Änderung	27.10.2020	LP	Titel: Data cable EasyLan U/UTP AWG24 350 MHz Cca				
	Neuerstellung	04.09.2020	LP					Drawing number: ZN-DK200408
Index	Revision code	Date	Name	Dimensions: mm				
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							Sheet 2 of 4	

Technical Data

Electrical Data	
Loop resistance	<= 180 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	18
Fire class	Cca s1 d1 a1 acc. to EN 50399

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

Chemical Properties:

RoHS 2011/95/EU ; IEC 60811-2-1 (IRM 902, 4h bei 70°C) Brandlast 0,130kWh/m


Flame resistance:

EN 60332-1 ; EN 50575 ; EN 61034 ; EN 50267 ; IEC 60754-2 ; IEC 61034 ; EN 13501-6 Klasse Cca -s1 d1 a1

Printing Text:

EasyLan® U/UTP – AWG 24/1 – Kat. 6 – 350 MHz – Cca s1 d1 a1 – FRNC – RoHS – Made in Germany –
 www.easylan.de >> Metrierung und Chargen-Nummer <<

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				Drawing number: ZN-DK200408				Original: DIN A4
d	Aenderung	18.10.2021	MW				Sheet 3 of 4	
c	Aenderung	10.12.2020	LP					
b	Aenderung	27.10.2020	LP					
a	Neuerstellung	04.09.2020	LP					
Index	Revision code	Date	Name					

Technical Data

Transmission Performance:

f in MHz	Attenuation (dB/100m) nom.	NEXT (dB) nom.	ACR (db/100m) nom.	ELFEXT (dB/100m)	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
155	22,5	60	37	40	30
200	26,0	57	31	38	29
300	32,5	55	23	36	28
350	35,2	54	19	34	27

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Index	Revision code	Date	Name				Dimensions: mm Original: DIN A4 Sheet 4 of 4	