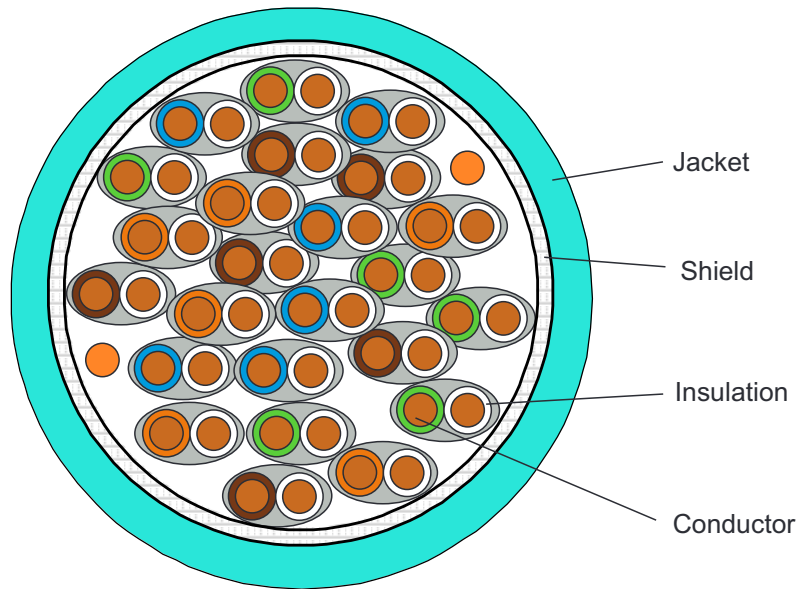



Technical Datasheet



Datenkabel EasyLan® 24P+2 AWG26 Dca

**S/FTP Kat.7
24P+2 AWG 23/1 FRNC**

Data cable for transmission of analog and digital signals for cabling within primary, secondary and tertiary area.
For applications up to class E_A.

c b a	Änderung Spr. Änderung Neuerstellung	11.12.2023 08.08.2019 18.04.2018	TG LP LP	drawn	18.04.2018	LP	 EasyLan® ...for a better connectivity	
				appr.	18.04.2018	MJ		
				Titel: Datenkabel EasyLan® AWG26/1 24P Dca				Dimensions: mm
				Drawing Number: ZN-DK181349				Original: DIN A4
Rev. Index	Revision code	Date	Name				Sheet 1 of 4	

Technical Data

Construction	
Conductor	AWG26/1, bare
Insulation	Foam-Skin PE
Color Code	IEC 708-1
Shielding Pairs	Plastic laminated aluminium foil
Shielding	Coppe Wire
Jacket	FRNC
Color	aqua RAL 6027
Diameter	13,9 mm
Mechanical Data	
Temperature Range	
fixed	-20°C up to +60°C
during installation	0°C up to +50°C
Transmission length	<=60m

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<small>c b a</small>	<small>Änderung Spr. Änderung Neuerstellung</small>	<small>11.12.2023 08.08.2019 18.04.2018</small>	<small>TG LP LP</small>	drawn	18.04.2018	LP		
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Rev. Index	Revision code	Date	Name	Sheet 2 of 4				

Technical Data

Electrical Data	
Loop resistance	$\leq 280 \text{ Ohm / km}$
Insulation resistance	$> 2000 \text{ MOhm} \cdot \text{km}$
Operating capacity	44 nF / km
Transfer Impedance at 10MHz	5 Ohm / m
Test Voltage	1000 V AC
Velocity of propagation	ca. 76%
Signal Term	425 ns / 100m
Running time difference	9 ns / 100m
Coupling attenuation	$\geq 85 \text{ dB Type 2}$
Copper number	90
fire class	Dca 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

Standards:

EN 50288-4-2 ; EN 50173-5 ; ISO/IEC 11801 2017-11 ; IEC 61156-5
EN 61034 ; IEC 60754-2 ; IEC 61034

Chemical Properties:

RoHS 2011/65/EU ; IEC 60811-2-1 (IRM 902, 4h bei 70°C) fire load 2171 MJ/km, 0,603 kWh/m


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				Drawing Number: ZN-DK181349				Original: DIN A4
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Technical Data

Transmission Performance:

f in MHz	Typ. Dämpfung (dB/100m) nom.	Typ. NEXT (dB) nom.	Return loss (dB) nom
1	0,3	90	23
4	0,6	90	24
10	1,0	90	25
20	1,4	90	25
100	3,2	87	21
250	5,1	81	18
300	5,6	80	17
450	6,9	77	17
600	7,9	75	17

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