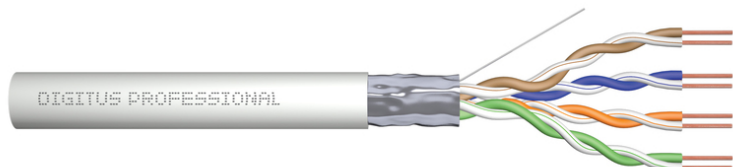


# DIGITUS Cat.5e F/UTP installation cable, 305 m, Eca

**DK-1521-V-305**  
**EAN 4016032241126**



**CAT 5e F-UTP installation cable, 100 MHz Eca (PVC), AWG 24/1, 305 m paper box, sx, grey**

The Digitus® Cat.5e F/UTP installation cable is characterized by the following cable construction 4x2x AWG23/1 and reaches a transmission frequency up to 100 MHz. The PVC cable jacket is conform to the CPR Euro class Eca. The cable is suitable for building structured cabling in the secondary and tertiary area. Compliant with the following standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-2-1.

**Future-oriented standards and high-end quality for your network.**

- Physical properties:
- Conductor: Bare annealed copper, solid AWG 24/1
- System/s of AVCP: AVCP 3
- Insulation: PE (Polyethylene)
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Individual pair shielding: None
- Overall shielding: Foil shielded, drain wire
- Overall sheath: Eca acc. to EN 50575; PVC
- Outer sheath diameter (nominal): 0.55 mm nominal
- Outer sheath color: Grey (RAL 7035)
- Mechanical properties:
- Tensile loading: 150N max.
- Dynamic bending radius: 8x AD mm min.

- Static bending radius: 4x AD mm min.
- Shipping- and storage temperature range: -20 °C up to +75 °C
- Operating temperature range: -20 °C up to +60 °C
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 6.1 mm nominal
- Electrical properties:
- Impedance: 100±5 Ohm @ 1-100 MHz
- Capacitance: 40 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC loop resistance: 147 Ohm/km max. (2% max. resistance unbalance)
- Voltage resistance: 72 Vdc max.
- Coupling attenuation: CA-Type 3
- Signal propagation delay: 535 nS/100 m max.
- Propagation delay: 20 nS/100 m max.
- Separating class: „b“ acc. to EN 50174-2
- NVP: 69%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 5e
- Shielding: F-UTP, foil shielding
- CPR: Eca
- Length: 305 m
- Color: grey
- Jacket: PVC
- Structure: 4 x 2 AWG 24/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	2	27.00	43.00	43.00	25.00	46,225.00
Packaging Unit Inside	1	13.50	21.00	40.00	42.00	35,280.00
Packaging Unit Single	1	13.50	21.00	40.00	42.00	35,280.00
Net single without Packaging	1	12.56	21.00	40.00	42.00	35,280.00

More images:



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100 MHz  
1 Cat  
AWG 24/1

CAT 5e  
20/140°  
Eca  
CFR class

**CAT 5e F/UTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>**

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**DK-1521-V-305 // CAT 5e F/UTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>**

Anwendungsbeispiel  
Example of use

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**DK-1521-V-305 // CAT 5e F/UTP Installation Cable, 305 m, Simplex, E<sub>ca</sub>**

Kabelquerschnitt  
Cable cross section

Aufwendigster Leiterpaar  
Outermost conductor pair

Innenleiterpaar  
Inner conductor pair

Cu-Draht  
Cu-Wire

Minisieve  
Control cable

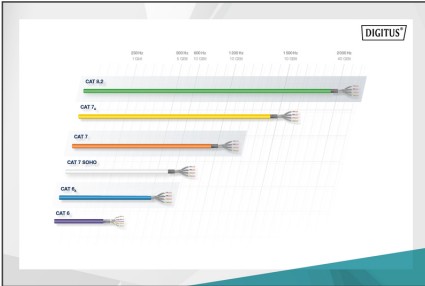
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Produktdaten Product Information		Physikalische Spezifikationen Physical Properties	
Artikelnummer Part Number	DK-1521-V-305	Umfang Length	305 m / 1000 ft
Hersteller Manufacturer	DIGITUS	Leitungstyp Cable Type	UTP
Material Material	PVC	Leitungskategorie Cable Category	Class E
Leitungsfarbe Cable Color	White	Leitungsdicke Cable Diameter	5.0 mm
Leitungsdicke Cable Diameter	5.0 mm	Leitungsgewicht Cable Weight	100 g / 3.5 oz
Leitungsdichte Cable Density	1.2 g/cm³	Leitungswiderstand Cable Resistance	120 Ω
Leitungswiderstand Cable Resistance	120 Ω	Leitungskapazität Cable Capacitance	56 pF/m
Leitungskapazität Cable Capacitance	56 pF/m	Leitungswärmeleitfähigkeit Cable Thermal Conductivity	0.17 W/mK
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**Leitungsgruppenübertragungseigenschaften**

PROG	MT	MTX	PLMTX	ACR	PLACR	DL	RLTST	PLRST
100	100	100	100	100	100	100	100	100
10	10	10	10	10	10	10	10	10
1	1	1	1	1	1	1	1	1
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001



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CFR-Bestimmungen	Brandkennzeichen	Leitungsgruppenübertragungseigenschaften	Leitungsgruppenübertragungseigenschaften	Leitungsgruppenübertragungseigenschaften	Leitungsgruppenübertragungseigenschaften
B2ca	1000	1+	3	3	3
Cca	1000	1+	3	3	3
Dca	1000	1+	3	3	3
Eca	1000	1+	3	3	3

