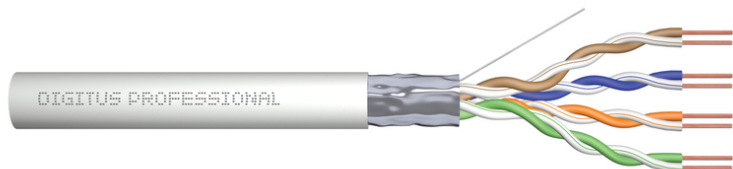


# DIGITUS Cat.5e F/UTP installation cable, 100 m, simplex, Eca

DK-1521-V-1  
EAN 4016032241119



### CAT 5e F-UTP installation cable, 100 MHz Eca (PVC), AWG 24/1, 100 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 copper wire, AWG 24/1
- System(s) for the assessment and verification of constancy of performance: System 3
- Insulation: PE (polyethylene)
- Total number of insulated conductors: 8, twisted into 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Shielding of the individual pairs: None
- Overall shielding: foil shield, twin wire
- Outer sheath: Eca according to EN 50575; PVC
- Outer sheath thickness (nominal): 0.55 mm nominal
- Outer casing color: Grey (RAL 7035)
- Mechanical properties:
- Strain relief: 150N max.
- Dynamic bending radius: 8x AD mm min.

- Static bending radius: 4x AD mm min.
- Transport and storage temperature range: -20 °C to +75 °C
- Operating temperature range: -20 °C to +60 °C
- Installation temperature range: 0 °C to +50 °C
- Outer 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-earth): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance: 147 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 3
- Phase delay: 535 nS/100 m max.
- Time delay: 20 nS/100 m max.
- Isolation class: "b" according to EN 50174-2
- NVP: 69%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 5e
- Shielding: F-UTP, foil shielding
- CPR: Eca
- Length: 100 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	4	16.00	40.00	30.00	30.00	36.00
Packaging Unit Inside	1	4.00	30.00	30.00	10.00	9.00
Packaging Unit Single	1	4.00	30.00	30.00	10.00	9.00
Net single without Packaging	0	0.00	30.00	30.00	10.00	9.00

More images:



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- 100 MHz
- 1 Cat Ethernet
- AWG 24/1
- CAT 5e
- 20°/140°
- E<sub>ca</sub> CFR class

**CAT 5e F/UTP Installation Cable, 100m, Simplex, E<sub>ca</sub>**

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Anwendungsbeispiel  
Example of use

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Kabelquerschnitt  
Cable cross section

- Aufwendet: Ticker jacket
- Innenabschirmung: Star shield
- Cu-Draht: Cu-Wire
- Außenmantel: PVC-Jacket

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Produktdaten Product Information		Physikalische Spezifikationen Physical Properties	
Artikelnummer Part Number	DK-1521-V.1	Leiter	Bestückung: 28/28
Hersteller Manufacturer	Digitus Electronics AG	Leitungswiderstand Conductor resistance	100 Ohm
Material Material	PVC	Leitungswiderstand pro 100m Conductor resistance per 100m	100 Ohm
Norm Norm	ISO/IEC 11801-1, EN 50173-1, EN 50173-2, EN 50173-3, EN 50173-4, EN 50173-5, EN 50173-6, EN 50173-7, EN 50173-8, EN 50173-9, EN 50173-10, EN 50173-11, EN 50173-12, EN 50173-13, EN 50173-14, EN 50173-15, EN 50173-16, EN 50173-17, EN 50173-18, EN 50173-19, EN 50173-20, EN 50173-21, EN 50173-22, EN 50173-23, EN 50173-24, EN 50173-25, EN 50173-26, EN 50173-27, EN 50173-28, EN 50173-29, EN 50173-30, EN 50173-31, EN 50173-32, EN 50173-33, EN 50173-34, EN 50173-35, EN 50173-36, EN 50173-37, EN 50173-38, EN 50173-39, EN 50173-40, EN 50173-41, EN 50173-42, EN 50173-43, EN 50173-44, EN 50173-45, EN 50173-46, EN 50173-47, EN 50173-48, EN 50173-49, EN 50173-50, EN 50173-51, EN 50173-52, EN 50173-53, EN 50173-54, EN 50173-55, EN 50173-56, EN 50173-57, EN 50173-58, EN 50173-59, EN 50173-60, EN 50173-61, EN 50173-62, EN 50173-63, EN 50173-64, EN 50173-65, EN 50173-66, EN 50173-67, EN 50173-68, EN 50173-69, EN 50173-70, EN 50173-71, EN 50173-72, EN 50173-73, EN 50173-74, EN 50173-75, EN 50173-76, EN 50173-77, EN 50173-78, EN 50173-79, EN 50173-80, EN 50173-81, EN 50173-82, EN 50173-83, EN 50173-84, EN 50173-85, EN 50173-86, EN 50173-87, EN 50173-88, EN 50173-89, EN 50173-90, EN 50173-91, EN 50173-92, EN 50173-93, EN 50173-94, EN 50173-95, EN 50173-96, EN 50173-97, EN 50173-98, EN 50173-99, EN 50173-100		

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**Leitungsparameter Transmission Properties**

FRQ	ATT	MLT	PLMXT	ACC	PLACC	DL	RLFEXT	PLRFEXT
100	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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- CAT 8B: 2000 MHz
- CAT 8A: 2000 MHz
- CAT 7: 60 MHz
- CAT 7 40MHz: 40 MHz
- CAT 6: 250 MHz
- CAT 6A: 500 MHz

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CFR	Standard	Leitungsparameter (CFR)	Leitungsparameter (CFR)	Leitungsparameter (CFR)
B <sub>ca</sub>	High	1+	1+	1+
C <sub>ca</sub>	Medium	3	3	3
D <sub>ca</sub>	Medium	3	3	3
E <sub>ca</sub>	Low	3	3	3

