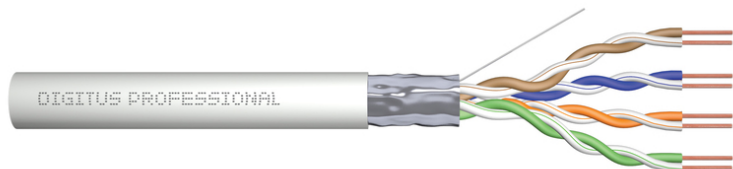


DIGITUS Cat.5e F/UTP installation cable, 100 m, simplex, Eca

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)	cm ³
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	3.59	30.00	30.00	10.00	9.00
Net single without Packaging	0	3.59	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_{ca} CFR class

CAT 5e F/UTP Installation Cable, 100 m, Simplex, E_{ca}

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DK-1521-V-1 // CAT 5e F/UTP Installation Cable, 100m, Simplex, E_{ca}

Anwendungsbeispiel
Example of use

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Kabelquerschnitt
Cable cross section

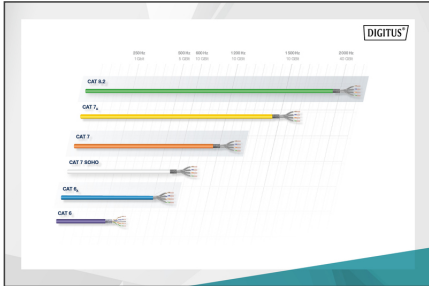
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Produktdaten Product Information		Physikalische Spezifikationen Physical Properties	
Artikelnummer Part Number	DK-1521-V-1	Umfang Length	100 m
Hersteller Manufacturer	DIGITUS	Leitungstyp Cable Type	UTP
Material Material	PVC	Leitungsdurchmesser Cable Diameter	5.0 mm
Farbe Color	White	Leitungsdurchmesser (außen) Cable Diameter (outer)	6.5 mm
Leistung Power	100 MHz	Leitungsdurchmesser (innen) Cable Diameter (inner)	4.5 mm
Temperaturbereich Temperature Range	-20°C to 70°C	Leitungsdurchmesser (außen) Cable Diameter (outer)	6.5 mm
Lebensdauer Lifetime	10 years	Leitungsdurchmesser (innen) Cable Diameter (inner)	4.5 mm
Umweltzone Environment	Indoor	Leitungsdurchmesser (außen) Cable Diameter (outer)	6.5 mm
Leistung Power	100 MHz	Leitungsdurchmesser (innen) Cable Diameter (inner)	4.5 mm
Temperaturbereich Temperature Range	-20°C to 70°C	Leitungsdurchmesser (außen) Cable Diameter (outer)	6.5 mm
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Umweltzone Environment	Indoor	Leitungsdurchmesser (außen) Cable Diameter (outer)	6.5 mm

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Leitungsparameter Transmission Properties

FRQ	ATT	MLT	PLMST	ACC	PLACC	DL	RFLXT	PLRFLXT
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
0.01	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
0.001	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.0001	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
0.00001	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



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CFR	Standard	Leistungsfähigkeit (dB)	Adaptation an verschiedene Umgebungen	Qualitätsmerkmale
B _{2ca}	High Speed Very High	1+	• Typischerweise für Hochgeschwindigkeit • Hohe Flexibilität • Hohe Flexibilität • Hohe Flexibilität	• Bestmögliche Qualität • Hohe Flexibilität • Hohe Flexibilität
C _{ca}	High High	3	• Typischerweise für Standard • Hohe Flexibilität • Hohe Flexibilität	• Bestmögliche Qualität • Hohe Flexibilität • Hohe Flexibilität
D _{ca}	Medium Medium	3	• Typischerweise für Standard • Hohe Flexibilität • Hohe Flexibilität	• Bestmögliche Qualität • Hohe Flexibilität • Hohe Flexibilität
E _{ca}	Low Low	3	• Typischerweise für Standard • Hohe Flexibilität • Hohe Flexibilität	• Bestmögliche Qualität • Hohe Flexibilität • Hohe Flexibilität

