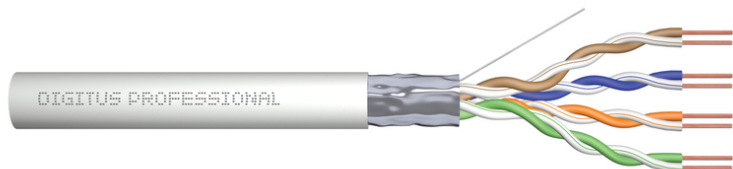


DIGITUS Cat.5e F/UTP installation cable, 100 m, simplex, Eca

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	36,000.00
Packaging Unit Inside	1	4.00	30.00	30.00	10.00	9,000.00
Packaging Unit Single	1	4.00	30.00	30.00	10.00	9,000.00
Net single without Packaging	1	0.00	30.00	30.00	10.00	9,000.00

More images:



DIGITUS

100 MHz
1 Cat Ethernet
AWG 24/1
CAT 5e
20'/1.60' ±0.5'
Eca
CFR class

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

DIGITUS

DK-1521-V4 // CAT 5e F/UTP Installation Cable, 100m, Simplex, E_{ca}

Anwendungsbeispiel
Example of use

DIGITUS

DK-1521-V4 // CAT 5e F/UTP Installation Cable, 100m, Simplex, E_{ca}

Kabelquerschnitt
Cable cross section

DIGITUS

Produktdaten Product Information		Physikalische Spezifikationen Physical Properties	
Artikelnummer Part Number	DK-1521-V4 (100m, Simplex, Eca)	Leitelemente Conductor	100 MHz, 1 Cat Ethernet
Hersteller Manufacturer	DIGITUS	Isolierung Insulation	AWG 24/1
Norm Norm	EN 50173-1, EN 50173-2, EN 50173-3, EN 50173-4, EN 50173-5, EN 50173-6	Spannungswert Voltage	300 V
Technische Eigenschaften Electrical Properties	<p>Abschirmung Shielding: 100 dB (min) at 100 MHz</p> <p>Leitfähigkeit Conductivity: 200 S/m (min) at 20°C</p> <p>Temperaturkoeffizient Temperature Coefficient: 100 ppm/K (max) at 20°C</p> <p>Temperaturbeständigkeit Temperature Resistance: -40°C to +85°C</p> <p>Bestandteile Components: 100m, Simplex, Eca</p>	<p>Leitfähigkeit Conductivity: 200 S/m (min) at 20°C</p> <p>Temperaturkoeffizient Temperature Coefficient: 100 ppm/K (max) at 20°C</p> <p>Temperaturbeständigkeit Temperature Resistance: -40°C to +85°C</p> <p>Bestandteile Components: 100m, Simplex, Eca</p>	

DIGITUS

Leitungsparameter Transmission Properties

FRQ	ATT	MLT	PLMKT	ALO	PLACO	DL	RL/EXT	PLR/EXT
MHz	dB	dB	dB	dB	dB	dB	dB	dB
10	1.2	3.2	5.2	6.2	7.2	1.2	4.2	7.2
20	1.8	4.8	6.8	7.8	8.8	1.8	4.8	7.8
30	2.2	5.2	7.2	8.2	9.2	2.2	5.2	8.2
40	2.6	5.6	7.6	8.6	9.6	2.6	5.6	8.6
50	3.0	6.0	8.0	9.0	10.0	3.0	6.0	9.0
60	3.4	6.4	8.4	9.4	10.4	3.4	6.4	9.4
70	3.8	6.8	8.8	9.8	10.8	3.8	6.8	9.8
80	4.2	7.2	9.2	10.2	11.2	4.2	7.2	10.2
90	4.6	7.6	9.6	10.6	11.6	4.6	7.6	10.6
100	5.0	8.0	10.0	11.0	12.0	5.0	8.0	11.0

Basierend auf EN 50173-1 (Standard-Testverfahren)

DIGITUS

1000 MHz
500 MHz
250 MHz
125 MHz
62.5 MHz

CAT 5e
CAT 6
CAT 7
CAT 7 BOMG
CAT 8
CAT 8 BOMG

DIGITUS

CFR-Beschreibung CFR Description	Strukturstruktur Structural Structure	Leitungsparameter (CFR) Conductivity of performance (CFR)	Anforderungen an die Kabellänge Length of the cable (CFR)	Zusätzliche Informationen Additional Information
B2 _{ca}	2000-10000	1+	10m	• Typischerweise • 100m bis 1000m • 100m bis 1000m • 100m bis 1000m
C _{ca}	1000-10000	3	10m	• Typischerweise • 100m bis 1000m • 100m bis 1000m
D _{ca}	1000-10000	3	10m	• Typischerweise • 100m bis 1000m • 100m bis 1000m
E _{ca}	1000-10000	3	10m	• Typischerweise • 100m bis 1000m • 100m bis 1000m

