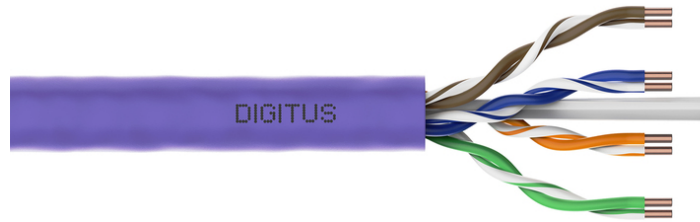


DIGITUS® CAT 6 U/UTP installation cable, 500 m, Cca

DK-1615-VH-5

EAN 4016032442257



CAT 6 U-UTP installation cable, 250 MHz Cca (EN 50575), AWG 23/1, 500m drum, simplex, pu

The Digitus® Professional Cat.6 U/UTP installation cable is characterized by the following cable construction 4x2x AWG23/1 and reaches a transmission frequency up to 250 MHz. The halogen free cable jacket is conform to the standard IEC 60332-3-24, FRNC-C, LSZH-3 and CPR Euro class Cca. 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 50288-6-1.

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

- Physical properties:
- Conductor: Bare annealed copper, solid AWG 23/1
- Insulation: HD-PE (High Density Polyethylene)
- Total number of insulated conductors: 8, twisted in 4 pairs
- Color code: Blue-white, orange-white, green-white, brown-white
- Individual pair shield: None
- Overall shielding: None
- Outer sheath: Eca to B2ca acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0,5 mm (Eca); 0,6 mm (Dca); 1,0 mm (Cca); 1,0 mm (B2ca)
- Outer sheath color: Purple (RAL 4005)
- 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 +60 °C

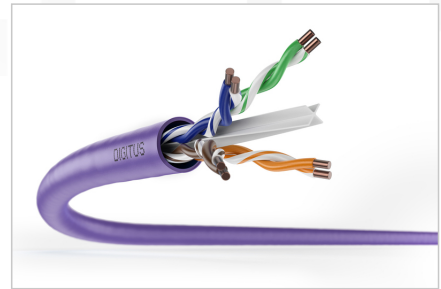
- Operating temperature range: -20 °C up to +75 °C
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 6,1 mm (Eca); 6,3 mm (Dca); 6,8 mm (Cca); 6,8 mm (B2ca)
- Weight (kg/km): 41 kg (Eca); 42 kg (Dca); 44 kg (Cca); 44 kg (B2ca)
- Electrical properties:
- Impedance: 100±5Ohm @ 1 - 250MHz
- 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“ gem. EN 50174-2
- NVP: 69%

Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Cca
- Length: 500 m
- Color: violet
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1	24.00	39.50	38.00	27.50	41,277.50
Packaging Unit Inside	1	24.00	0.00	0.00	0.00	0.00
Packaging Unit Single	1	24.00	37.00	37.00	31.00	42,439.00
Net single without Packaging	1	23.00	36.00	36.00	27.00	0.00

More images:



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AWG 23/1 | 250 MHz | 1 Gbit Ethernet | CAT 6 | 20°/75° | LSZH | C Ca | CPRI class

CAT 6 U/UTP Installation Cable, 500m, Simplex, C_{ca}

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DK-1615-VH-S // CAT 6 U/UTP Installation Cable, 500m, Simplex, C_{ca}

Anwendungsbeispiel
Example of use

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DK-1615-VH-S // CAT 6 U/UTP Installation Cable, 500m, Simplex, C_{ca}

Kabelquerschnitt
Cable cross section

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Produktkennzeichnung / Product Information	Physische Spezifikationen / Physical Properties
Produktname: CAT 6 U/UTP Installation Cable, 500m, Simplex, C _{ca} Teilenummer: DK-1615-VH-S Material: PVC Farbe: Lila Abmessungen (L x B x H): 500 x 12 x 12 mm Nettogewicht: 0,15 kg Bruttogewicht: 0,18 kg Verpackungseinheit: 1000 Stück	Standard: ISO/IEC 61898 Lebensdauer: 10 Jahre Temperaturbereich: -40°C bis +75°C Flammverhalten: LSZH Umweltverträglichkeit: RoHS CE-Kennzeichnung: C _{ca} CPRI-Klasse: Class 1

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Leistungsmerkmale / Transmission Properties

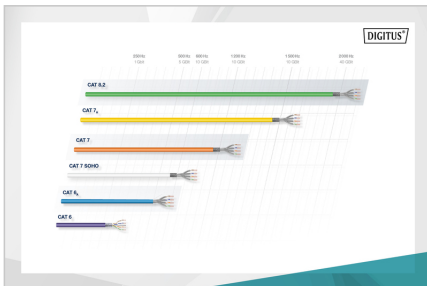
Strecke	10/100	1000	10G	40G	100G	400G	800G
100m	100	100	100	100	100	100	100
300m	100	100	100	100	100	100	100
500m	100	100	100	100	100	100	100

Certificate
No. 25474-13-14
Class E

Zertifikat
No. 25474-13-14
Klasse E

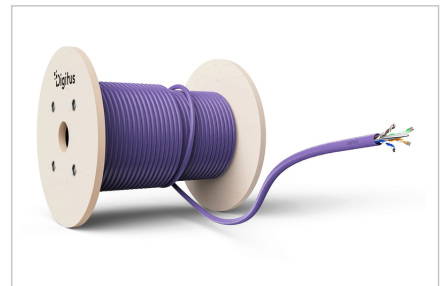
2 Gender Classen, Cooper, Class E
GHMT Type Approval

2 Gender Classen, Cooper, Klasse E
GHMT Type Approval



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CPRI-Beschreibung / Description	Drummenstruktur / Drum Structure	Leitungsgeometrie (AWG) / Conductor Geometry (AWG)	Abgleich der verbleibenden Leiter / Balancing of remaining conductors	Zusammenfassung / Summary
B2 _{ca}	Stark hoch Strong	1+	• Typischerweise • Regelmäßige Verdrillung • Regelmäßige 1:1-Dring-Verdrillung • Regelmäßige 1:1-Dring-Verdrillung	s
C _{ca}	Mittel Mid	3	• Typischerweise • Regelmäßige Verdrillung	d
D _{ca}	Mittel Mid	3	• Typischerweise • Regelmäßige Verdrillung	a
E _{ca}	Leistung Power	3	• Typischerweise • Regelmäßige Verdrillung	a



Safety notes

- Data cables must not be bent, stretched or twisted excessively. Sharp bends can damage the cable sheath and lead to failures or short circuits.
- Installation only by trained specialists.
- Installation only in dry rooms.
- The data cable must not be in direct contact with other electrical cables or high-voltage sources in order to avoid electromagnetic interference.

EU responsible person

EU based economic operator ensuring the product complies with the required regulations.

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