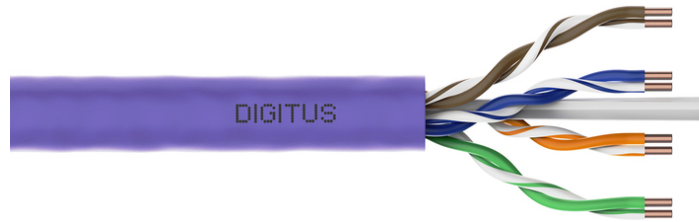


DIGITUS® CAT 6 U/UTP installation cable, 100 m, simplex, Eca

DK-1613-VH-1

EAN 4016032343653



CAT 6 U-UTP installation cable, 250 MHz Eca (EN 50575), AWG 23/1, 100m paper box, sx, pu

The Digitus Cat 6 U/UTP installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-6-1, DIN EN 50173, IEC 60332-1. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE. The shielding structure is composed of single shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

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

- Physical properties:
- Conductor: Bare annealed copper, solid AWG 23/1
- System/s of AVCP: AVCP 3
- 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%

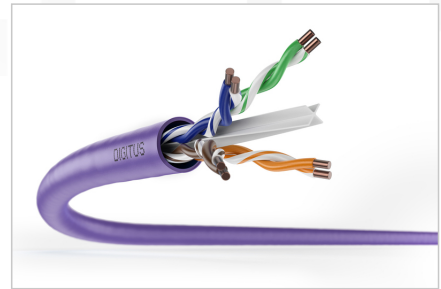
Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Eca
- Length: 100 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	4.50	31.00	30.50	12.00	11,346.00
Packaging Unit Inside	1	4.50	10.00	28.00	28.00	7,840.00
Packaging Unit Single	1	4.50	12.00	33.00	33.00	13,068.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:



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AWG 23/1
250 MHz
1 Gbit Ethernet
CAT 6
20°/75°
LSZH
E_{ca} CPRI class

CAT 6 U/UTP Installation Cable, 100m, Simplex, E_{ca}

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Anwendungsbeispiel
Example of use

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Kabelquerschnitt
Cable cross section

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Produktkennzeichen / Product Information	Physische Spezifikationen / Physical Properties																																																								
Produktkennzeichen DK-1613-VH-1 Produktname CAT 6 U/UTP Installation Cable, 100m, Simplex, E _{ca} Hersteller ASSMANN Electronic GmbH Produkttyp Installation Cable Material Copper Farbe Purple Abmessungen (L x B x H) 100 x 10 x 10 mm Nettogewicht 0,15 kg Bruttogewicht 0,18 kg Verpackungseinheit 100 Stück / 100 Pieces Verpackungsgröße (L x B x H) 100 x 10 x 10 mm Verpackungsmaterial Paper Umweltbedingungen Temperaturbereich: -20°C bis +75°C Spezifikationen <table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Category</td> <td>6</td> </tr> <tr> <td>Shielding</td> <td>None</td> </tr> <tr> <td>UTP/STP</td> <td>UTP</td> </tr> <tr> <td>Conductor Material</td> <td>Copper</td> </tr> <tr> <td>Conductor Size</td> <td>23 AWG</td> </tr> <tr> <td>Insulation Material</td> <td>PVC</td> </tr> <tr> <td>Insulation Color</td> <td>Purple</td> </tr> <tr> <td>Length</td> <td>100m</td> </tr> <tr> <td>Temperature Range</td> <td>-20°C to +75°C</td> </tr> <tr> <td>Humidity</td> <td>10% to 90% RH</td> </tr> <tr> <td>Flamm Retardancy</td> <td>LSZH</td> </tr> <tr> <td>RoHS</td> <td>Compliant</td> </tr> <tr> <td>REACH</td> <td>Compliant</td> </tr> </tbody> </table>	Parameter	Value	Category	6	Shielding	None	UTP/STP	UTP	Conductor Material	Copper	Conductor Size	23 AWG	Insulation Material	PVC	Insulation Color	Purple	Length	100m	Temperature Range	-20°C to +75°C	Humidity	10% to 90% RH	Flamm Retardancy	LSZH	RoHS	Compliant	REACH	Compliant	Physische Spezifikationen <table border="1"> <thead> <tr> <th>Parameter</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Category</td> <td>6</td> </tr> <tr> <td>Shielding</td> <td>None</td> </tr> <tr> <td>UTP/STP</td> <td>UTP</td> </tr> <tr> <td>Conductor Material</td> <td>Copper</td> </tr> <tr> <td>Conductor Size</td> <td>23 AWG</td> </tr> <tr> <td>Insulation Material</td> <td>PVC</td> </tr> <tr> <td>Insulation Color</td> <td>Purple</td> </tr> <tr> <td>Length</td> <td>100m</td> </tr> <tr> <td>Temperature Range</td> <td>-20°C to +75°C</td> </tr> <tr> <td>Humidity</td> <td>10% to 90% RH</td> </tr> <tr> <td>Flamm Retardancy</td> <td>LSZH</td> </tr> <tr> <td>RoHS</td> <td>Compliant</td> </tr> <tr> <td>REACH</td> <td>Compliant</td> </tr> </tbody> </table>	Parameter	Value	Category	6	Shielding	None	UTP/STP	UTP	Conductor Material	Copper	Conductor Size	23 AWG	Insulation Material	PVC	Insulation Color	Purple	Length	100m	Temperature Range	-20°C to +75°C	Humidity	10% to 90% RH	Flamm Retardancy	LSZH	RoHS	Compliant	REACH	Compliant
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Leistungsmerkmale / Transmission Properties

Parameter	UTP	STP	Shielded	Plastic	Aluminum	Steel	Plastic	Steel
100m	100	100	100	100	100	100	100	100
150	100	100	100	100	100	100	100	100
200	100	100	100	100	100	100	100	100
250	100	100	100	100	100	100	100	100
300	100	100	100	100	100	100	100	100
350	100	100	100	100	100	100	100	100
400	100	100	100	100	100	100	100	100
450	100	100	100	100	100	100	100	100
500	100	100	100	100	100	100	100	100
550	100	100	100	100	100	100	100	100
600	100	100	100	100	100	100	100	100
650	100	100	100	100	100	100	100	100
700	100	100	100	100	100	100	100	100
750	100	100	100	100	100	100	100	100
800	100	100	100	100	100	100	100	100
850	100	100	100	100	100	100	100	100
900	100	100	100	100	100	100	100	100
950	100	100	100	100	100	100	100	100
1000	100	100	100	100	100	100	100	100

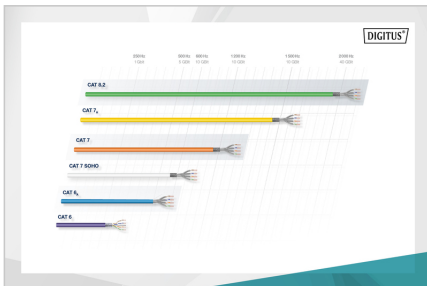
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Certificate
No. 151613-1-1-1

Zertifikat
No. 151613-1-1-1

Class E

Class E



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Leistungsmerkmale / Transmission Properties

Parameter	UTP	STP	Shielded	Plastic	Aluminum	Steel	Plastic	Steel
100m	100	100	100	100	100	100	100	100
150	100	100	100	100	100	100	100	100
200	100	100	100	100	100	100	100	100
250	100	100	100	100	100	100	100	100
300	100	100	100	100	100	100	100	100
350	100	100	100	100	100	100	100	100
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650	100	100	100	100	100	100	100	100
700	100	100	100	100	100	100	100	100
750	100	100	100	100	100	100	100	100
800	100	100	100	100	100	100	100	100
850	100	100	100	100	100	100	100	100
900	100	100	100	100	100	100	100	100
950	100	100	100	100	100	100	100	100
1000	100	100	100	100	100	100	100	100



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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 Lüdenscheid, Germany
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