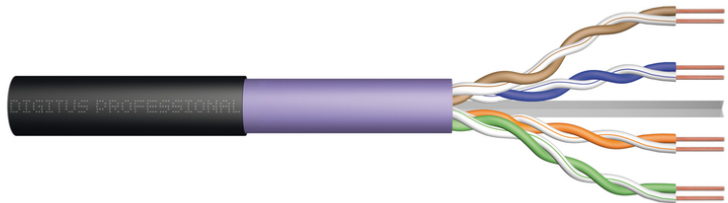


# DIGITUS Cat.6 U/UTP burial installation cable, 500 m, simplex, PE

DK-1613-VH-5-OD  
EAN 4016032446163



### CAT 6 U-UTP outdoor installation cable, 250 MHz inner Eca (LSZH-1), AWG 23/1, 500m drum, sx, bl/pu

DIGITUS Category 6 U-UTP installation cables are manufactured and tested to the ISO/IEC 11801, DIN EN 50173 and DIN EN 50288-5-1 Category 6 specifications. Every cord consists of 8 color coded AWG 23 polyethylene insulated conductors. The conductors are twisted together to form 4 pairs with varying lay lengths. Printing details along the outer sheath includes the brand name, item code and cable length 0-305 meter. The cable is packed in a paper pullout box which makes the installation easy.

#### 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 shielding: None
- Overall shielding: None
- Outer sheath: Eca acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0,5 mm (Eca)
- Outer sheath color: Purple (Eca jacket), black (PE jacket)
- 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 (nominal): 6,8 mm (Eca)
- Weight: (kg/hm): 48 kg (Eca)
- Impedance: 100 ± 5 Ohm @ 1-250 MHz
- Capacitance: 40 pF/m nominal @ 800 MHz
- Capacitance unbalance (pair-ground): 1,5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC resistance: 72 Ohm/km max. (2% max. resistance unbalance)
- 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“ acc. to EN 50174-2
- NVP: 69%

#### Attributes

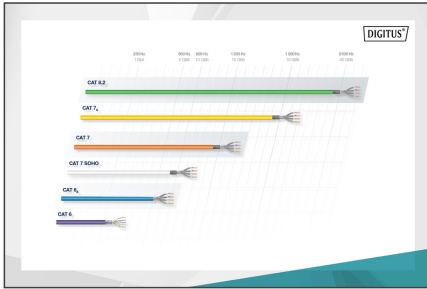
- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Eca
- Length: 500 m
- Color: violet
- Jacket: LSOH
- Structure: 4 x 2 AWG 23/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
Packaging Unit Carton	1	30.90	50.00	50.00	24.00	60,000.00
Packaging Unit Inside	1	30.90	50.00	50.00	24.00	60,000.00
Packaging Unit Single	1	30.90	50.00	50.00	24.00	60,000.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:



CEC-Bewertung	Benennungskategorie	Leitungsleistungsfähigkeit (MHz)	Anzahl der verdrillten Paare	Zusätzliche Eigenschaften
B2ca	Sehr hoch	1+	4	• 1000MHz • 1000MHz Bandbreite • 1000MHz Bandbreite • 1000MHz Bandbreite
C2a	Hoch	3	3	• Typischerweise • Typischerweise
D2a	Mittel	3	3	• Typischerweise • Typischerweise
E2a	Niedrig	3	3	• Typischerweise • Typischerweise



**Compliance Statement**

RoHS-Compliance, Class 1

Intertek

UL Verified Certificate of Conformance Number: 000000000000000000

RoHS-Compliance, Class 1

RoHS-Compliance, Class 1

**Mechanische Eigenschaften/Mechanical Properties**

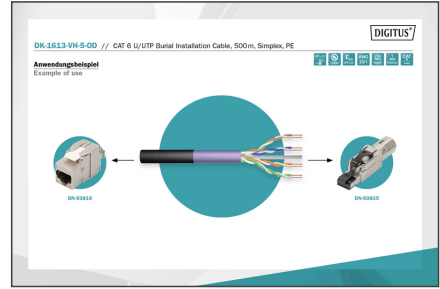
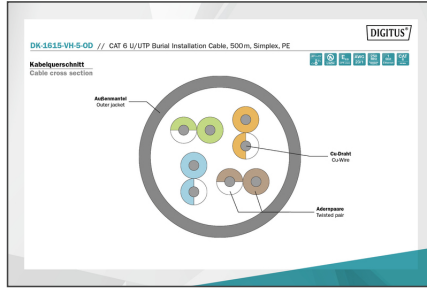
Leitungsleistungsfähigkeit	1000MHz
Operation Temperature	0°C bis +70°C
Storage Temperature	-40°C bis +125°C
Relative Humidity	10% bis 90% (non-condensing)
Flammverhalten	UL94V0

**Leitungsleistungsfähigkeit/Transmission Properties**

FREQ.	ATT	NEXT	PSNEXT	ACR	PLACK	IL	ELFEXT	PSREXT
10	1.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
20	1.4	14.0	14.0	14.0	14.0	14.0	14.0	14.0
50	2.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
100	2.8	28.0	28.0	28.0	28.0	28.0	28.0	28.0
200	3.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0

**Produktkennlinien/Produkt Information**

Produktkennlinie	Produkt Information	Physikalische Spezifikationen/Physical Properties
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**CAT 6 U/UTP Burial Installation Cable, 500 m, Simplex, PE**

AWG 23/1

250 MHz

1 Gbit Ethernet

CAT 6 (100 MHz)

LSZH

RoHS

CE

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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