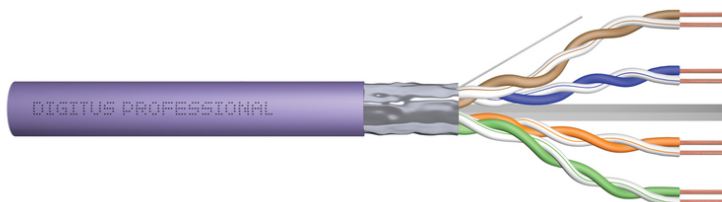


DIGITUS Cat.6 F/UTP installation cable, 500 m, simplex, B2ca

DK-1626-VH-5
EAN 4016032442080



CAT 6 F-UTP installation cable, 250 MHz B2ca (EN 50575), AWG 23/1, 500 m drum,

The Digitus® Professional Cat.6 F/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-1 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 50288-5-1.

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: Aluminum foil, providing 100% coverage, drain wire
- Outer sheath: Eca to B2ca acc. to EN 50575; LSZH
- Outer sheath diameter (nominal): 0.5 mm (Eca); 0,6 mm (Dca); 0,8 mm (Cca); 0,08 mm (B2ca)
- Outer sheath color: Purple
- 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

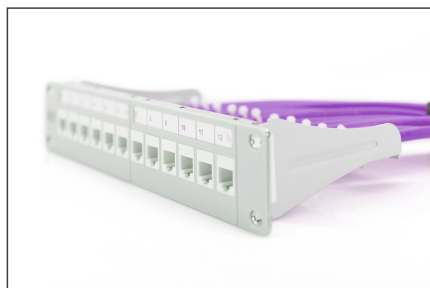
- Operating temperature range: -20 °C up to +75 °C
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 7.0 (Eca); 7,2 mm (Dca); 7,6 mm (Cca); 7,6 mm (B2ca)
- Weight (kg/km): 46 kg (Eca); 47 kg (Dca); 48,5 kg (Cca); 48,5 kg (B2ca)
- Electrical properties:
- Impedance: 100±5 Ohm @ 1-250 MHz
- Capacitance: 45 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: 40 dB
- Signal propagation delay: 535 nS/100 m max.
- Propagation delay: 20 nS/100 m max.
- Separating class: „c“ acc. to EN 50174-2
- NVP: 69%

Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: F-UTP, foil shielding
- CPR: B2ca
- 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	0.00	0.00	0.00	0.00	0.00
Packaging Unit Inside	1	0.00	0.00	0.00	0.00	0.00
Packaging Unit Single	1	0.00	0.00	0.00	0.00	0.00
Net single without Packaging	1	-0.16	0.00	0.00	0.00	0.00

More images:



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

DK-1625-VH-S // CAT 6 F/UTP Installation Cable, 500 m, Simplex, C_{ca}

Anwendungsbeispiel
Example of use

DK-1625-VH-S // CAT 6 F/UTP Installation Cable, 500 m, Simplex, C_{ca}

Kabelquerschnitt
Cable cross section

Product Information Product Information

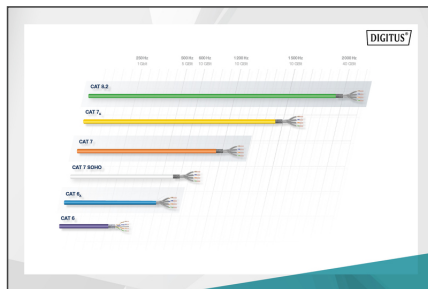
Hersteller Assmann Electronic GmbH Postfach 101000 • 39102 Salzgitter • DE Tel: +49 (0) 39 31 30-1000	Produktname DK-1625-VH-S (CAT 6 F/UTP Installation Cable)	Produktbeschreibung CAT 6 F/UTP Installation Cable, 500 m, Simplex, C _{ca}	AWG 23/1	Bandbreite 250 MHz	Übertragungsgeschwindigkeit 1 Gbit Ethernet	Kategorie CAT 6	Material LSZH	CPR class C _{ca}
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Physikalische Spezifikationen Physical Properties

Leiter Leder	Bezugssystem ISO 11801
Leitermaterial Kupfer	Leitermaterial Kupfer
Leiterquerschnitt 1,27 mm²	Leiterquerschnitt 1,27 mm²

Leistungsspezifikation Transmission Properties

AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG	AWG
1	24	20	16	12	8	4	0	0	0
1	14	10	6	2	0	0	0	0	0
0	14	10	6	2	0	0	0	0	0
0	14	10	6	2	0	0	0	0	0
0	14	10	6	2	0	0	0	0	0
0	14	10	6	2	0	0	0	0	0
0	14	10	6	2	0	0	0	0	0
0	14	10	6	2	0	0	0	0	0
0	14	10	6	2	0	0	0	0	0
0	14	10	6	2	0	0	0	0	0



CPR System Assessment

Systemkategorie B2ca	Brandverhalten Hoch	Lebensdauer (Jahre) 1+	Abgleich der verketteten Werte 1+	Zusammenfassung S
C _{ca}	Hoch	High	1+	S
D _{ca}	Mittel	Medium	3	d
E _{ca}	Gering	Low	3	a

Resultat
C_{ca} s1a d1 a1



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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