

DIGITUS Cat.6A U/FTP installation cable, 305 m, simplex, Eca

DK-1623-A-VH-305
EAN 4016032344124



CAT 6A U-FTP installation cable, 500 MHz Eca (EN 50575), AWG 23/1, 305 m drum, sx, blue

The Digitus® Cat.6A U/FTP installation cable is characterized by the following cable construction 4x2x AWG23/1 and reaches a transmission frequency up to 500 MHz. The halogen free cable jacket is conform to the standard IEC 60332-1, FRNC-B, LSZH-1 and 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 50288-10-1.

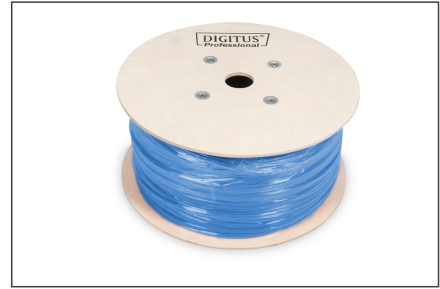
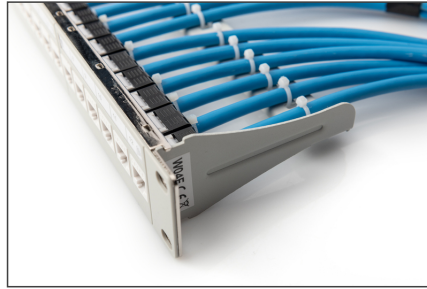
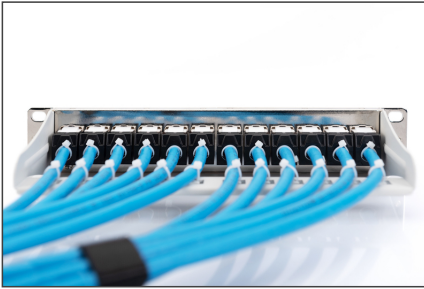
Future-oriented standards and high-end quality for your network.

- Physical properties:
- Conductor: Bare copper wire, AWG 23/1
- System(s) for the assessment and verification of constancy of performance: System 3
- 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: Aluminum-laminated polyester film, covers 100%
- Outer sheath: Eca to B2ca in accordance with EN 50575; LSZH
- Outer sheath thickness (nominal): 0.5 mm (Eca); 0.6 mm (Dca); 0.8 mm (Cca); 0.8 mm (B2ca)
- Outer casing color: Light blue (RAL 5012)
- 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 +60 °C
- Operating temperature range: -20 °C to +75 °C
- Installation temperature range: 0 °C to +50 °C
- Outer diameter: 7.0 mm (Eca); 7.2 mm (Dca); 7.6 mm (Cca); 7.6 mm (B2ca)
- Weight (kg/km): 56 kg (Eca); 57 kg (Dca); 58 (Cca); 58 kg (B2ca)
- Electrical properties:
- Impedance: 100±15 Ohm @ 4 - 100MHz; 100±25 Ohm @ 100-500 MHz;
- Capacitance: 45 pF/m nominal @ 1 KHz
- Capacitance unbalance (pair-earth): 1.6 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- Loop resistance: 190 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 2
- Phase delay: 450 nS/100 m max.
- Time delay: 25 nS/100 m max.
- Separation class: "c" according to EN 50174-2
- NVP: 70%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 6A
- Shielding: U-FTP, pairs in metal foil
- CPR: Eca
- Length: 305 m
- Color: light-blue
- 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 | 14.96 | 37.00 | 37.00 | 22.00 | 30,118.00 |
| Packaging Unit Inside | 1 | 14.96 | 37.00 | 37.00 | 22.00 | 30,118.00 |
| Packaging Unit Single | 1 | 14.96 | 37.00 | 37.00 | 22.00 | 30,118.00 |
| Net single without Packaging | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

More images:



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AWG 23/1 500 MHz 10 Gbit Ethernet CAT 6a LSZH Eca

CAT 6a U/FTP Installation Cable, 305 m, Simplex, E_{ca}

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DK-1623-A-VH-305 // CAT 6, U/FTP Installation Cable, 305 m, Simplex, E_{ca}

Anwendungsbeispiel
Example of use

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Kabelquerschnitt
Cable cross section

DIGITUS

| Produktinformationen / Product Information | Physikalische Spezifikationen / Physical Properties |
|---|---|
| Herstellername / Manufacturer: DIGITUS Professional | Hersteller / Manufacturer: DIGITUS Professional |
| Produktname / Product Name: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca} | Produktname / Product Name: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E _{ca} |
| Artikelnummer / Article Number: DK-1623-A-VH-305 | Artikelnummer / Article Number: DK-1623-A-VH-305 |
| Material / Material: PVC, LSZH | Material / Material: PVC, LSZH |
| Farbe / Color: Blau / Blue | Farbe / Color: Blau / Blue |
| Abmessungen / Dimensions: 10,0 mm x 10,0 mm x 305,0 mm | Abmessungen / Dimensions: 10,0 mm x 10,0 mm x 305,0 mm |
| Nettogewicht / Net Weight: 0,250 kg | Nettogewicht / Net Weight: 0,250 kg |
| Bruttogewicht / Gross Weight: 0,300 kg | Bruttogewicht / Gross Weight: 0,300 kg |
| Verpackung / Packaging: 100 Stk. / 100 Pieces | Verpackung / Packaging: 100 Stk. / 100 Pieces |
| Umweltbedingungen / Environmental Conditions: -20°C bis +75°C | Umweltbedingungen / Environmental Conditions: -20°C bis +75°C |
| Zusätzliche Informationen / Additional Information: Eca, LSZH | Zusätzliche Informationen / Additional Information: Eca, LSZH |

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Leitungsgruppencharakteristiken / Transmission Properties

| Strecke / Distance | ATT | MLT | PL NEXT | ANX | PS NEXT | DL | ELEXT | PL ELEXT |
|--------------------|------|------|---------|------|---------|------|-------|----------|
| 1 m | 0,08 | 0,08 | 0,08 | 0,08 | 0,08 | 0,08 | 0,08 | 0,08 |
| 10 m | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 |
| 100 m | 8,0 | 8,0 | 8,0 | 8,0 | 8,0 | 8,0 | 8,0 | 8,0 |
| 305 m | 24,2 | 24,2 | 24,2 | 24,2 | 24,2 | 24,2 | 24,2 | 24,2 |

Intertek

ETL Verified Certificate of Compliance Number: 1942299CSP-001

Approved Product Description: CAT 6a U/FTP Installation Cable, 305 m, Simplex, E_{ca}

Approved by: Intertek

GHMT

Certificate No. 48864-21

Zertifikat Nr. 48864-21

Category 6e

Kategorie 6e

GHMT Type Approval

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Performance Comparison Table:

| Performance Class | Standard | Category | Number of Pairs | Shielding |
|-------------------|------------------------|----------|-----------------|---|
| B2ca | Super hoch / Very High | 1+ | 1 | • Typischerweise • Full-Shield-Technologie |
| Cca | Hoch / High | 1+ | 1 | • Typischerweise • Full-Shield-Technologie |
| Dca | Mittel / Medium | 3 | 3 | • Typischerweise • Shielded Twisted Pair |
| Eca | Gering / Low | 3 | 3 | • Typischerweise • Shielded Twisted Pair |

