

DIGITUS ASSNET100 Cat.5e U/UTP installation cable, 305 m, Eca

ACU-4511-305
EAN 4016032317081



ASSNET100 CAT 5e U-UTP installation cable, 100 MHz Eca (PVC), AWG 23/1, 305 m paper box, sx, grey

The ASSNET100 Cat.5e U/UTP installation cable is characterized by the following cable construction 4x2x AWG23/1 CCA wires and reaches a transmission frequency up to 100 MHz. The PVC jacket is conform to the CPR Euro class Eca. The cable is suitable for building structured cabling in the secondary and tertiary area.

The ASSNET installation cables assure best performance and link quality for your network

- Physical properties:
- Conductor: Copper covered aluminum, solid AWG 24/1
- 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 sheat: Eca acc. to EN 50575; PVC
- Outer sheath diameter (nominal): 0,50 mm nominal
- Outer sheath color: Grey (RAL 7035)
- 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 +75 °C

- Operating temperature range: -20 °C up to +60 °C
- Installation temperature range: 0 °C up to +50 °C
- Electrical Properties:
- Impedance: 100±15 Ohm @ 1-100 MHz
- Capacitance: 40 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 2 GOhm x km min.
- DC loop resistance: 262 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
- Maximum operating length: 60 m
- NVP: 69%
- Assortment: Twisted Pair Installation Cables
- Category: CAT 5e
- Shielding: U-UTP, unshielded
- CPR: Eca
- Length: 305 m
- Color: grey
- Jacket: PVC
- Structure: 4 x 2 AWG 24/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm ³
Packaging Unit Carton	2	15.20	42.00	38.00	38.00	60,648.00
Packaging Unit Inside	1	7.60	20.00	35.00	35.50	24,850.00
Packaging Unit Single	1	7.60	20.00	35.00	35.50	24,850.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

More images:



**ASSNET100
CAT 5e U/UTP Installation Cable,
305 m, Simplex, E_{ca}**

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Anwendungsbeispiel
Example of use

ACU-4511-305 // ASSNET100 CAT 5e U/UTP Installation Cable, 305m, Simplex, E_{ca}

Kabelquerschnitt
Cable cross section

Autosensitiv
Fiber jacket

Cu-Draht
Cu-Wire

Mikrospine
Central wire

Produktdaten Product Information

Partnummer / Part Number: 100001-1
Name / Name: ASSNET100

Elektrische Eigenschaften Electrical Properties

Typische Geschwindigkeit / Typical velocity: 120 m/ns @ 10 MHz
Kapazität / Capacity: 40 pF/m @ 10 MHz
Leistungsdichte / Power density: 10 W/m @ 10 MHz
Temperaturkoeffizient / Temperature coefficient: 0.1 %/K @ 20 MHz

Physikalische Spezifikationen Physical Properties

Geflecht / Braid: Kupferblech / Copper foil
Isolierung / Insulation: Polyethylen / Polyethylene
Stärke / Thickness: 0.5 mm
Biegeradius / Bend radius: 20° / 140°
Temperaturbereich / Temperature range: -25°C to +75°C

Mechanische Eigenschaften Mechanical Properties

Lebensdauer / Lifetime: 10 Jahre / 10 years
Zugfestigkeit / Tensile strength: 100 N
Bruchdehnung / Elongation: 10 %
Zugkraft / Pull force: 10 N

Leistungseigenschaften Transmission Properties

PROB	MT	MTX	PKMT	ACH	PKACH	IL	RUFEST	PKRUFEST
1	3	0	17	17	14	19	0.9	0.9
10	1.1	0.8	4.6	4.6	3.9	19	0.6	0.6
100	0.4	0.3	1.8	1.8	1.5	19	0.3	0.3
1000	0.1	0.1	0.7	0.7	0.6	19	0.1	0.1
10000	0.0	0.0	0.3	0.3	0.2	19	0.0	0.0

Interpoliert bei 10 MHz gemäß DIN EN 60729-3 (10 MHz)

CE Kennlinie
CE marking

Strombelastbarkeit
Current-carrying capacity

Lebensdauer
Lifetime

Anforderungen
Requirements

Spezifikationen
Specifications

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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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