

DIGITUS® ASSNET250 CAT 6 U/UTP data cable - installation cable, 305 m, Eca

ACU-4611-305

EAN 4016032317197



ASSNET250 CAT 6 U-UTP installation cable, 250 MHz Eca (PVC), AWG 23/1, 305 m paper box, sx, grey

The ASSNET250 Cat.6 U/UTP installation cable is characterized by the following cable structure 4x2x AWG 23/1 CCA cores and achieves a transmission frequency of up to 250 MHz. The PVC cable sheath conforms to BauPVO Euroclass Eca. The cable is suitable for structured building cabling in secondary and tertiary areas.

ASSNET installation cables guarantee outstanding performance and connection quality for your network

- Physical properties:
- Conductor: Copper-clad aluminum, AWG 23/1
- Insulation: HD-PE (High Density Polyethylene)
- 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: None
- Overall shielding: None
- Outer sheath thickness (nominal): 0.55 mm nominal
- 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 +75 °C
- Operating temperature range: -20 °C to +60 °C

- Installation temperature range: 0 °C to +50 °C
- Electrical properties:
- Impedance: 100±15 Ohm @ 1-100 MHz
- Capacitance: 40 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-earth): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 2 GOhm x km min.
- Loop resistance: 262 Ohm/km max. (2% max. unbalanced resistance)
- Operating voltage: 72 Vdc max.
- Coupling attenuation: CA-Type 3
- Phase delay: 535 nS/100 m max.
- Time delay: 20 nS/100 m max.
- Isolation class: "b" according to EN 50174-2
- Maximum insert length: 60 m
- NVP: 69%

Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 6
- Shielding: U-UTP, unshielded
- CPR: Eca
- Length: 305 m
- Color: grey
- Jacket: PVC
- 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	9.30	43.00	43.00	25.00	46.23
Packaging Unit Inside	1	9.30	43.00	43.00	25.00	46.23
Packaging Unit Single	1	9.30	43.00	43.00	25.00	46.23
Net single without Packaging	0	9.31	40.00	40.00	20.00	32.00

More images:



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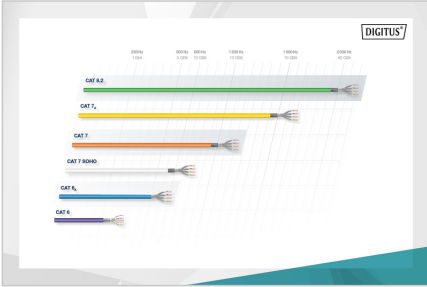
CE Konformität (CE Conformity): BZca, Cca, Dca, Eca

RoHS Konformität (RoHS Conformity): s1a, d1, a1

Leistungsleistung (20°C) / Leistung (power) (20°C): 1+

Abgabe der verifizierten Daten / Output of verified data: 3

Zertifizierung / Certification: S, d, a



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Leitungsparameter / Transmission Properties

PROZ.	ATT.	NEXT	PS-NEXT	AOX	PS-AOX	ISL	ELEXT	PS-ELEXT
80%	10%	40%	10%	10%	10%	10%	10%	10%
11	43	80	53	53	47	19	43	47
16	3	54	34	34	34	19	34	34
47	10	64	44	34	34	19	34	34
100	23	100	34	100	100	100	100	100
100	10	100	100	100	100	100	100	100
200	10	100	100	100	100	100	100	100

Abgabewerte bei 20°C gemäß IEC60330-4:2010

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Produktdaten / Product Information

Assnet250 // Assnet250 Cat 6 U/UTP Installation Cable, 305m, Eca

Technische Eigenschaften / Technical Properties

Leitungsleistung (20°C) / Power (20°C): 1+

Abgabe der verifizierten Daten / Output of verified data: 3

Physikalische Spezifikationen / Physical Properties

Leitungstyp: U/UTP

Leitungsdauer: 305m

Leitungsdauer (mit 10m Reserve): 315m

Leitungsdauer (mit 20m Reserve): 325m

Leitungsdauer (mit 30m Reserve): 335m

Leitungsdauer (mit 40m Reserve): 345m

Leitungsdauer (mit 50m Reserve): 355m

Leitungsdauer (mit 60m Reserve): 365m

Leitungsdauer (mit 70m Reserve): 375m

Leitungsdauer (mit 80m Reserve): 385m

Leitungsdauer (mit 90m Reserve): 395m

Leitungsdauer (mit 100m Reserve): 405m

Mechanische Eigenschaften / Mechanical Properties

Leitungsdauer: 305m

Leitungsdauer (mit 10m Reserve): 315m

Leitungsdauer (mit 20m Reserve): 325m

Leitungsdauer (mit 30m Reserve): 335m

Leitungsdauer (mit 40m Reserve): 345m

Leitungsdauer (mit 50m Reserve): 355m

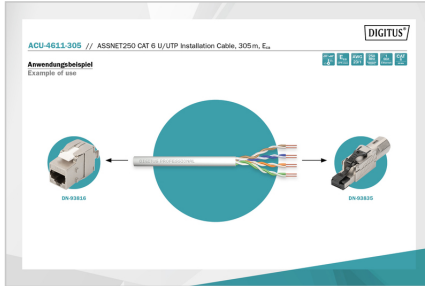
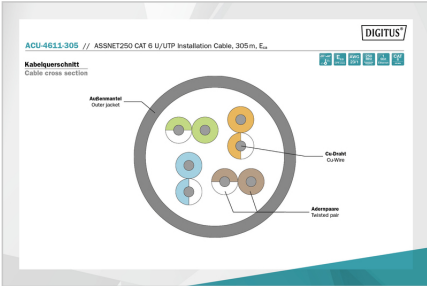
Leitungsdauer (mit 60m Reserve): 365m

Leitungsdauer (mit 70m Reserve): 375m

Leitungsdauer (mit 80m Reserve): 385m

Leitungsdauer (mit 90m Reserve): 395m

Leitungsdauer (mit 100m Reserve): 405m



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AWG 23/1

250 MHz

1 Gbit Ethernet

CAT 6

Eca

LSZH

CPR class

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.
- For indoor cables (LSZH jacket): Suitable only for installation in dry indoor environments.
- 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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