

# DIGITUS ASSNET250 Cat.6 U/UTP 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 construction 4x2x AWG23/1 CCA wires and reaches a transmission frequency up to 250 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 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: None
- Outer sheat: Eca acc. to EN 50575; PVC
- Outer sheath diameter (nominal): 0,55 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 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)	cm <sup>3</sup>
Packaging Unit Carton	1	9.30	43.00	43.00	25.00	46,225.00
Packaging Unit Inside	1	9.30	43.00	43.00	25.00	46,225.00
Packaging Unit Single	1	9.30	43.00	43.00	25.00	46,225.00
Net single without Packaging	1	8.36	43.00	43.00	25.00	46,225.00

More images:



**ASSNET250**  
CAT 6 U/UTP Installation Cable,  
305 m, E<sub>ca</sub>

ACU-4613-305 // ASSNET250 CAT 6 U/UTP Installation Cable, 305m, E<sub>ca</sub>

Anwendungsbeispiel  
Example of use

ACU-4613-305 // ASSNET250 CAT 6 U/UTP Installation Cable, 305m, E<sub>ca</sub>

Kabelquerschnitt  
Cable cross section

Aufbaustruktur  
Outer jacket

Cu-Wire  
Cu-Wire

Minispace  
Central core

**Produktinformation Product Information**

Artikelnummer: 13000-1  
EAN: 4051081000000  
Name: ASSNET250

**Elektrische Eigenschaften Electrical Properties**

Leitfähigkeit: 200 ± 20 Ohm @ 100 MHz  
Kapazität: 40 pF/m @ 100 MHz  
Dämpfungskoeffizient: 1,2 dB/100m @ 100 MHz  
Dämpfung: 20 dB/100m @ 250 MHz (max. zulässige Verlustleistung)  
Dämpfung: 20 dB/100m @ 100 MHz (max. zulässige Verlustleistung)  
Dämpfung: 20 dB/100m @ 100 MHz (max. zulässige Verlustleistung)

**Physikalische Spezifikationen Physical Properties**

Leitung: 200 ± 20 Ohm @ 100 MHz  
Leitung: 40 pF/m @ 100 MHz  
Leitung: 1,2 dB/100m @ 100 MHz  
Leitung: 20 dB/100m @ 250 MHz (max. zulässige Verlustleistung)  
Leitung: 20 dB/100m @ 100 MHz (max. zulässige Verlustleistung)  
Leitung: 20 dB/100m @ 100 MHz (max. zulässige Verlustleistung)

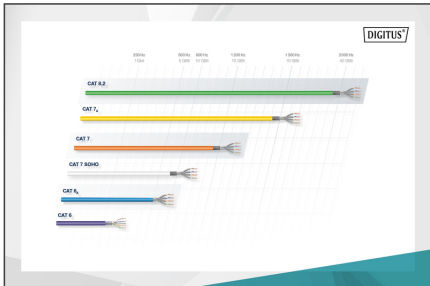
**Mechanische Eigenschaften Mechanical Properties**

Leitung: 200 ± 20 Ohm @ 100 MHz  
Leitung: 40 pF/m @ 100 MHz  
Leitung: 1,2 dB/100m @ 100 MHz  
Leitung: 20 dB/100m @ 250 MHz (max. zulässige Verlustleistung)  
Leitung: 20 dB/100m @ 100 MHz (max. zulässige Verlustleistung)  
Leitung: 20 dB/100m @ 100 MHz (max. zulässige Verlustleistung)

**Leistungseigenschaften Transmission Properties**

FREQ.	ATT	EXT	PL EXT	ACC	PL ACC	IL	R.FEXT	PL R.FEXT
100	10	10	10	10	10	10	10	10
10	10	10	10	10	10	10	10	10
100	10	10	10	10	10	10	10	10
10	10	10	10	10	10	10	10	10
100	10	10	10	10	10	10	10	10
10	10	10	10	10	10	10	10	10
100	10	10	10	10	10	10	10	10
10	10	10	10	10	10	10	10	10

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**CPR Evaluation**

Brand: DIGITUS

Model: ASSNET250

Category: CAT 6

Performance: 1+

Material: LSZH

Color: Green

Length: 305m

Standard: EN 50521-3

Standard: EN 50521-4

Standard: EN 50521-5

Standard: EN 50521-6

Standard: EN 50521-7

Standard: EN 50521-8

Standard: EN 50521-9

Standard: EN 50521-10

Standard: EN 50521-11

Standard: EN 50521-12

Standard: EN 50521-13

Standard: EN 50521-14

Standard: EN 50521-15

Standard: EN 50521-16

Standard: EN 50521-17

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