

# 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	9.31	40.00	40.00	20.00	0.00

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

Produktinformation Product Information

<b>Technische Eigenschaften / Technical Properties</b> Typische Dämpfung: 0,21 dB/100m @ 100 MHz Kapazität: 45 pF/m Dämpfungskoeffizient: 0,0001 dB/m Rückflusskoeffizient: 0,001 Dämpfung: 0,21 dB/100m @ 100 MHz Kapazität: 45 pF/m Dämpfungskoeffizient: 0,0001 dB/m Rückflusskoeffizient: 0,001	<b>Physikalische Spezifikationen / Physical Properties</b> Leiter: Kupfer Leitermaterial: Kupfer Leiterquerschnitt: 0,25 mm² Leiteranzahl: 4 Leitermaterial: Kupfer Leiterquerschnitt: 0,25 mm² Leiteranzahl: 4 Leitermaterial: Kupfer Leiterquerschnitt: 0,25 mm² Leiteranzahl: 4
---	--

Leitungsparameter Transmission Properties

PROG	MT	EXT	PLMEXT	ACS	PLACS	IL	RUFEXT	PLRUFEXT
100	100	100	100	100	100	100	100	100
10	10	10	10	10	10	10	10	10
100	100	100	100	100	100	100	100	100

CEP-Bewertung / Performance Evaluation

<b>BZ<sub>ca</sub></b> High 1+	<b>C<sub>ca</sub></b> High 3	<b>D<sub>ca</sub></b> High 3	<b>E<sub>ca</sub></b> Low 1
--------------------------------------	------------------------------------	------------------------------------	-----------------------------------



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.

ASSMANN Electronic GmbH  
 Auf dem Schüffel 3  
 Lüdenscheid, Germany  
<https://www.assmann.com>  
 info@assmann.com