

# 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 AWG 23/1 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 23/1
- 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 sheath diameter (nominal): 0,50 mm nominal
- 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%

#### Attributes

- 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 23/1, solid twisted pair

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
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:



**DIGITUS**

100 MHz  
1 Cat  
Ethernet  
AWG 23/1  
CAT 5e  
20/140°  
E class  
CFR class

**ASSNET100  
CAT 5e U/UTP Installation Cable,  
305 m, Simplex, E<sub>ca</sub>**

**DIGITUS**

ACU-4511-305 // ASSNET100 CAT 5e U/UTP Installation Cable, 305m, Simplex, E<sub>ca</sub>

Anwendungsbeispiel  
Example of use

**DIGITUS**

ACU-4511-305 // ASSNET100 CAT 5e U/UTP Installation Cable, 305m, Simplex, E<sub>ca</sub>

Kabelquerschnitt  
Cable cross section

Aufwandsfreie Folienummantelung  
Cable braid  
Cu-Drähte  
Cu-Wire  
Alufolie  
Shielding foil

**DIGITUS**

Produktdaten Product Information		Physikalische Spezifikationen Physical Properties	
Artikelnummer Part Number	100001-1	Leiteigenschaften Conductivity	Kapazität Capacity
Material Material	99,9999999	Leitfähigkeit Conductivity	Leitfähigkeit Conductivity
Lebensdauer Lifetime	10 Jahre 10 years	Leitfähigkeit Conductivity	Leitfähigkeit Conductivity
Lebensdauer Lifetime	10 Jahre 10 years	Leitfähigkeit Conductivity	Leitfähigkeit Conductivity

**DIGITUS**

Leitungsparameter Transmission Properties

PROZ.	MIT	MIT	PKMIT	AKS	PKAKS	IL	RUFKT	PKUFKT
1	3	6	17	17	14	19	60	60
10	11	20	46	46	39	19	94	94
20	11	47	81	81	74	19	94	94
30	11	47	81	81	74	19	94	94
40	11	47	81	81	74	19	94	94
50	11	47	81	81	74	19	94	94
60	11	47	81	81	74	19	94	94
70	11	47	81	81	74	19	94	94
80	11	47	81	81	74	19	94	94
90	11	47	81	81	74	19	94	94
100	11	47	81	81	74	19	94	94

Generiert am 10.08.2016 10:00:00 (Zeitzone: GMT+02:00)

**DIGITUS**

**DIGITUS**

CFR-Beschreibung Description	Strombelastbarkeit Current capacity	Leitungsparameter (AVP) Conductivity of pair/conductor (AVP)	Adaptation an customer needs Adaptation to customer needs	Spezialanforderungen Special requirements
B2 <sub>ca</sub>	1000000 Very high	1+	• Typischerweise • Standardanforderung • Standardanforderung • Standardanforderung	• Typischerweise • Standardanforderung • Standardanforderung • Standardanforderung
C <sub>ca</sub>	High High	3	• Typischerweise • Standardanforderung • Standardanforderung	• Typischerweise • Standardanforderung • Standardanforderung • Standardanforderung
D <sub>ca</sub>	Medium Medium	3	• Typischerweise • Standardanforderung • Standardanforderung	• Typischerweise • Standardanforderung • Standardanforderung • Standardanforderung
E <sub>ca</sub>	Low Low	3	• Typischerweise • Standardanforderung • Standardanforderung	• Typischerweise • Standardanforderung • Standardanforderung • Standardanforderung

Standard  
C<sub>ca</sub> s1a d1 a1



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