

# DIGITUS Cat.5e U/UTP installation cable, 100 m, simplex, Eca

DK-1511-V-1-1  
EAN 4016032363804



### CAT 5e U-UTP installation cable, 100 MHz Eca (PVC), AWG 24/1, 100 m paper box, sx, grey

The Digitus Cat 5e U/UTP installation cable is designed for use in the structured data center and the building cabling according to ISO/IEC 11801, DIN EN 50288-2-1, DIN EN 50173. The cable is perfectly suitable for the transmission of both analog and digital data and also supports POE. The shielding structure is composed of single shielded pairs with a tinned copper braid, which ensures excellent shielding and electrical values.

- Physical properties:
- Conductor: Bare annealed copper, 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 shielding: None
- Overall shielding: None
- Outer sheath: 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

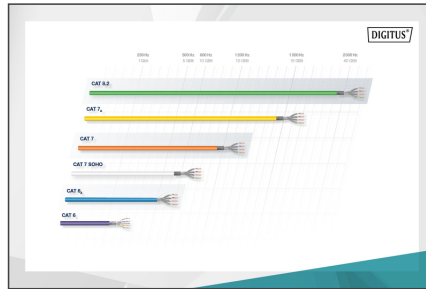
- Installation temperature range: 0 °C up to +50 °C
- Overall diameter Simplex (nominal): 4.7 mm nominal
- Electrical properties:
- Impedance: 100±5 Ohm @ 1-600 MHz
- Capacitance: 40 pF/m nominal @ 800 Hz
- Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz
- Insulation resistance: 5 GOhm x km min.
- DC loop resistance: 147 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
- NVP: 69%

#### Attributes

- Assortment: Twisted Pair Installation Cables
- Category: CAT 5e
- Shielding: U-UTP, unshielded
- CPR: Eca
- Length: 100 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 <sup>3</sup>
Packaging Unit Carton	1	2.60	12.00	23.00	24.00	6,624.00
Packaging Unit Inside	1	2.60	12.00	23.00	24.00	6,624.00
Packaging Unit Single	1	2.60	12.00	23.00	24.00	6,624.00
Net single without Packaging	1	0.00	0.00	0.00	0.00	0.00

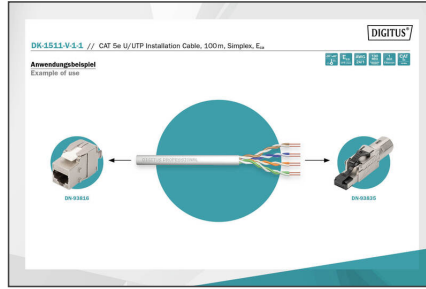
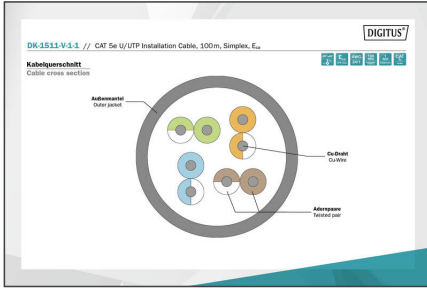
More images:



DR-Bauweise (Cable construction)	Bezeichnung (Product name)	Leiterschichtenzahl (20/25) (Number of conductor pairs)	Abgleich der verdrillten Paare (Pair twist matching)	Zusätzliche Eigenschaften (Additional features)
B <sub>2</sub> ca	Sehr hoch Very high	1+	• Symmetrisch • Hohe Abschirmung • Hohe Flexibilität	• Abschirmung • Hohe Flexibilität
C <sub>ca</sub>	Hoch High	3	• Symmetrisch • Hohe Flexibilität	• Abschirmung • Hohe Flexibilität
D <sub>ca</sub>	Mittel Medium	3	• Symmetrisch • Hohe Flexibilität	• Abschirmung • Hohe Flexibilität
E <sub>ca</sub>	Gering Low	3	• Symmetrisch • Hohe Flexibilität	• Abschirmung • Hohe Flexibilität

Leitungsmodul-Trennungseigenschaften									
PROZ.	MTT	MTT	MTT	MTT	MTT	MTT	MTT	MTT	MTT
1	2	3	4	5	6	7	8	9	10
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100	101	102	103	104	105	106	107	108	109

Produktdaten Product Information		Physikalische Spezifikationen Physical Properties	
Bezeichnung Name	DK-1511-V-5-1 // CAT 5e U/UTP Installation Cable, 100m, Simplex, E <sub>ca</sub>	Leiter Conductor	24 AWG, 0.25mm
Material Material	PVC	Isolierung Insulation	PVC
Farbe Color	Orange	Abgleich der verdrillten Paare Pair twist matching	100%
Abgleich der verdrillten Paare Pair twist matching	100%	Abgleich der verdrillten Paare Pair twist matching	100%
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100 MHz, 1 Gbit Ethernet, AWG 24/1, CAT 5e, 20' / 460', E<sub>ca</sub>, 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.
- 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](mailto:info@assmann.com)