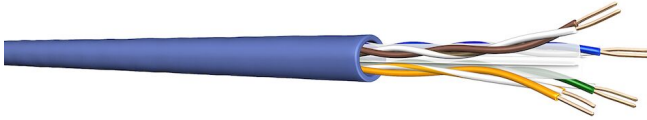


UC400 26 Cat.6 U/UTPp 4P PVC

Data patch cable Cat.6 U/UTP



CABLE FEATURES

Draka patch cable for indoor use UC400 26 Cat.6 U/UTPp 4P PVC

- the cable is unshielded.
 - The 4-pair patch cable with 8 stranded copper conductors AWG26 is suitable for plug termination and connection to sockets, which can accommodate stranded conductors, for laying in buildings, in ducts and flush-mounted
 - the product exceeds the requirements of EN50173-1; EN50288-6-2, ISO/IEC11801; IEC61156-6 and IEEE802.3af/at/bt.
 - The jacket is made of flame-retardant PVC according to IEC60332-1.
 - the product fulfills segregation class C according to EN50174 with a coupling attenuation of 55 dB.
 - The cable is future-proof for all applications according to Class C, D, and E and suitable for the operation of PoE and PoE+ over a channel length of up to 60m. It is suitable for the following applications: Telephony, Ethernet, Fast Ethernet and Gigabit Ethernet, 10BaseT, 100BaseT, 1000BaseT, 1GBase-T or up to 1,000Mbit/s.
- Latest version of this data sheet is available for download: [ProductFamily238895](#)

GENERAL INFO

Work area and patch cord cable only! Not recommended for fix installation. IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; IEEE 802.5 16 MB; ISDN; TPDDI; ATM

CERTIFICATIONS AND DESIGN STANDARDS



EN 50288-2-2
ISO/IEC 11801
EN 50173
IEC 60332-1-2
IEC 61156-6

Data communications patch cable shielded up to 100MHz
Generic telecom cabling for customer premises
Information technology - Generic cabling systems
Single wire fire test
Datacom patch cables

CABLE CONSTRUCTION

Conductor category	Class 2 = stranded
Conductor material	Copper
Conductor surface	Bare
AWG size	26
Core insulation material	Polyethylene (PE)
Nominal diameter over insulation [mm]	1
Screen over stranding element	None
Number of stranding elements	4
Identification of stranding elements	Core colors: blue/white; orange/white; green/white; brown/white
Screen material	Not applicable
Screen over stranding	None
Material outer sheath	Polyvinyl chloride (PVC)
Cable shape	Round
Nominal outer diameter [mm]	5.4

APPLICATION PROPERTIES

Operation temperature (min) [°C]	-20	(max) [°C]	60
Installation temperature (min) [°C]	0	(max) [°C]	50
Bending radius (rule)	Installation: 8 x outer diameter; Installed: 4 x outer diameter		

FIRE PROPERTIES

Flame retardant	In accordance with EN/IEC 60332-1-2
Halogen free	
Low smoke	No
Reaction-to-fire class (acc. EN 13501-6)	Eca
Smoke development class (acc. EN 13501-6)	Not applicable
Euro class flaming droplets/particles (acc. EN 13501-6)	Not applicable
Euro class acidity (acc. EN 13501-6)	Not applicable
Fire load [MJ/km]	342
DOP number	1007450

MECHANICAL PROPERTIES

Cable weight [kg/km]	0
Copper weight [kg/km]	14
Max. tensile strength during installation [kN]	0.1
Nominal outer diameter [mm]	5.4

ELECTRICAL PROPERTIES

Test voltage [kV]	1
Category	6
NVP value [%]	67
Propagation delay (max) [ns/100m]	535
Delay skew (max) [ns/100m]	20
Characteristic impedance [Ohm]	100
Nominal mutual capacitance [pF/m]	48
Loop resistance [Ohm]	290
Coupling attenuation [dB]	40
Insulation resistance [MΩ·km]	5,000
Transfer impedance at 10 MHz [mOhm/m]	
Segregation classification (acc. EN 50174-2)	b

CAT 6 TRANSMISSION CHARACTERISTICS (AT 20°C)

Frequency (MHz)	Attenuation (dB/10 m)	NEXT (dB)	PS-NEXT (dB)	ACR (dB/100 m)	PS-ACR (dB/100 m)	ACRF (dB/100m)	PS-ACRF (dB/100m)	Return Loss (dB)
1	0.3	87	84	87	84	75	72	23
4	0.6	78	75	77	74	75	72	23
10	0.9	72	69	71	68	75	72	23
16	1.2	69	66	68	65	71	68	23
20	1.3	68	65	67	64	69	66	23
31.2	1.6	65	62	63	60	65	62	23
62.5	2.4	60	57	58	55	59	56	23
100	3.1	57	54	54	51	55	52	23
125	3.4	56	53	53	50	53	50	21
155.5	3.9	54	51	50	47	51	48	21
175	4.2	54	51	50	47	50	47	21
200	4.5	53	50	48	45	49	46	21
250	5.1	51	48	46	43	47	44	
300	5.6	50	47	44	41	45	42	
400	6.6	48	45	41	38	43	40	

PRODUCT ORDER DATA

Product name	Colour outer sheath	SAP code	Packaging type	Standard packaging quantity	Gross weight
UC400 26 Cat.6 U/UTPp 4P PVC GY	Grey	60011585	Drum	500	36

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