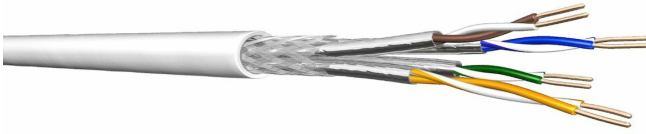


UC^{HOME} SS26 CAT.7 S/FTP 4P LSHF D_{CA}

Data horizontal cable Cat.7 S/FTP



CABLE FEATURES

Draka installation cable for indoor use UC HOME SS26 Cat.7 S/FTP 4P LSHF Dca

- Copper data cable of Cat.7 for structured cabling with a bandwidth of 600 MHz.
- The cable is double-shielded with foil pair shielding and high-quality braided cover.
- The 4-pair simplex installation cable with 8 copper wires AWG26 is suitable for connecting sockets, patch fields and modules, also with IDC technology, for laying in buildings, in ducts and flush-mounted
- The product exceeds the requirements of EN50173-1; EN50288-4-2, ISO/IEC11801; IEC61156-6 and IEEE802.3af/at/bt.
- The jacket is made of halogen-free, flame-retardant material according to IEC60332-1; IEC60754-2; IEC61034; EN50399 and Euro fire class Dca s2 d2 a1.
- With a coupling attenuation of 85 dB, the shielding fulfills segregation class D according to EN50174.
- The cable is future-proof for all applications according to Class C, D, E, EA and F 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, Gigabit Ethernet and 10Gigabit Ethernet, 10BaseT, 100BaseT, 1000BaseT, 1GBase-T, 10GBaseT or up to 10,000Mbit/s.

Latest version of this data sheet is available for download: [ProductFamily239053_en.pdf](#)

GENERAL INFO

Primary (Campus), Secondary (Riser), Tertiary (Horizontal); IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, 10GBase-T; IEEE802.5 ; ISDN, TPDDI, ATM, CATV, IP Cameras, Broadband Video, SOHO-Cabling; Power over Ethernet (PoE) / Type 1-4

CERTIFICATIONS AND DESIGN STANDARDS



IEC 61156-5
EN 50288-4-1
ISO/IEC 11801
EN 50173

Datacom cables
Datacom cables up to 600 MHz
Generic telecom cabling for customer premises
Information technology - Generic cabling systems

CABLE CONSTRUCTION

Conductor category	Class 1 = solid
Conductor material	Copper
Conductor surface	Bare
AWG size	26
Core insulation material	Foam-skin-PE
Nominal diameter over insulation [mm]	1
Screen over stranding element	Foil
Number of stranding elements	4
Identification of stranding elements	Core colors: blue/white; orange/white; green/white; brown/white
Screen material	Copper, tinned
Screen over stranding	Braiding
Material outer sheath	Halogenfree polymer
Cable shape	Round
Nominal outer diameter [mm]	5.8

APPLICATION PROPERTIES

Permitted cable outer temperature after assembling without vibration (min) [°C]	-20	(max) [°C]	60
Permitted cable outer temperature during assembling/handling (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	acc. IEC/EN 60754-1/2
Low smoke	acc. IEC/EN 61034-2
Reaction-to-fire class (acc. EN 13501-6)	Dca
Smoke development class (acc. EN 13501-6)	s2
Euro class flaming droplets/particles (acc. EN 13501-6)	d2
Euro class acidity (acc. EN 13501-6)	a1
Fire load [MJ/km]	345
DOP number	1000960

ELECTRICAL PROPERTIES

Test voltage [kV]	1
Category	7
NVP value [%]	79
Propagation delay (max) [ns/100m]	427
Delay skew (max) [ns/100m]	12
Characteristic impedance [Ohm]	100
Nominal mutual capacitance [pF/m]	43
Loop resistance [Ohm]	240
Coupling attenuation [dB]	85
Insulation resistance [MΩ·km]	5,000
Transfer impedance at 10 MHz [mOhm/m]	5
Segregation classification (acc. EN 50174-2)	d

CAT 7 TRANSMISSION CHARACTERISTICS (AT 20°C)

Frequency (MHz)	Attenuation (dB/100 m)	NEXT (dB)	PS-NEXT (dB)	ACR (dB/100 m)	PS-ACR (dB/100 m)	ACRF (dB/100m)	PS-ACRF (dB)	Return Loss (dB)
1	0.3	90	87	90	87	80	77	23
4	0.6	90	87	89	86	80	77	24
10	0.9	90	87	89	86	80	77	25
16	1.2	90	87	89	86	76	73	25
20	1.3	90	87	89	86	74	71	25
31.2	1.7	90	87	88	85	70	67	25
62.5	2.4	90	87	88	85	64	61	23
100	3	86	83	83	80	60	57	21
125	3.4	85	82	82	79	58	55	20
155.5	3.8	84	81	80	77	56	53	20
175	4.1	83	80	79	76	55	52	19
200	4.4	82	79	78	75	54	51	19
250	4.9	80	77	75	72	52	49	18
300	5.4	79	76	74	71	50	47	18
450	6.8	77	74	70	67	47	44	17
600	7.9	75	72	67	64	44	41	17

PRODUCT ORDER DATA

Product name	Nominal outer diameter	Max. tensile strength during installation	Copper weight	SAP code	Packaging type	Standard packaging quantity	Gross weight
UC HOME SS26 Cat.7 S/FTP 4P LSHF Dca	5.8	0.1	21	60050701	Drum	500	21.5
UC HOME SS26 Cat.7 S/FTP 4P LSHF Dca	5.8	0.1	21	60026439	Drum (non-standard length)	1	41
UC HOME SS26 Cat.7 S/FTP 4P LSHF Dca	5.8	0.1	21	60032038	Drum	1,000	40.7
UC HOME SS26 Cat.7 S/FTP 4P LSHF Dca	5.8	0.1	21	60032039	Coil	100	3.9
UC HOME SS26 Cat.7 S/FTP 4P LSHF Dca	5.8	0.1	21	60026455	Carton box	350	13

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