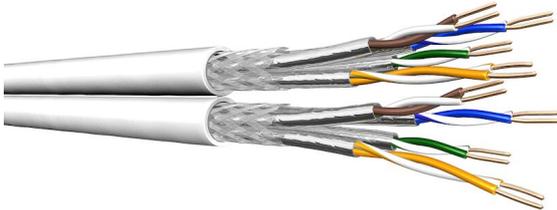


UC^{HOME} SS26 Cat.7 S/FTP 2X4P LSHF D_{ca}

Data horizontal cable Cat.7 S/FTP



CABLE FEATURES

Prysmian installation cable for indoor use UC HOME SS26 Cat.7 S/FTP 2X4P 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 2x4-pair duplex installation cable with 2x8 stranded copper wires AWG26 is suitable for the connection of sockets, patch fields and modules, also with LSA technology, for installation 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 s1 d1 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: [ProductFamily239082](#)

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(AC)

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	8
Kennzeichnung der Verseilelemente	Aderfarben: blau/weiß; orange/weiß; grün/weiß; braun/weiß; identisch für beide Einzelkabel
Screen material	Copper, tinned
Screen over stranding	Braiding
Material outer sheath	Halogenfree polymer
Cable shape	Twin
Cable width approx. [mm]	11.8
Cable height approx. [mm]	5.8

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	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)	s1
Euro class flaming droplets/particles (acc. EN 13501-6)	d1
Euro class acidity (acc. EN 13501-6)	a1
Fire load [MJ/km]	393
DOP number	1005222

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/10 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	Max. tensile strength during installation [kN]	Copper weight [kg/km]	SAP code	Packaging type	Standard packaging quantity	Gross weight
UC HOME SS26 Cat.7 S/FTP 2X4P LSHF Dca	0.3	42	60060750	Coil	100	7.6
UC HOME SS26 Cat.7 S/FTP 2X4P LSHF Dca	0.3	42	60060699	Drum	250	21
UC HOME SS26 Cat.7 S/FTP 2X4P LSHF Dca	0.3	42	60060697	Drum	500	42.9

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