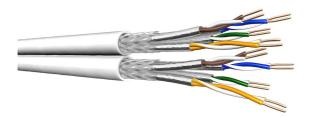


UCHOME SS26 Cat.7 S/FTP 2X4P LSHF Dca

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 flushmounted
- 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, 100OBaseT, 10GBaseT, 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, 100Base-T, 100Base-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 categoryClass 1 = solidConductor materialCopperConductor surfaceBareAWG size26

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



ELECTRICAL PROPERTIES

Test voltage [kV] 1 7 Category 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 [M Ω ·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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