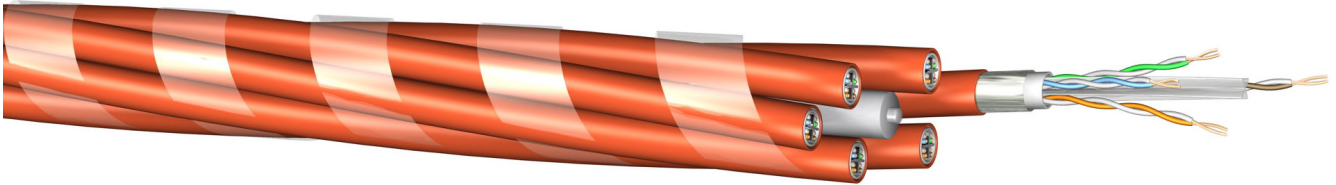


UC^{FUTURE} LOOMED^{ZD}26 Cat.7 S/FTP 6x4P LSHF

S/FTP Data Centre Cable Cat. 7



Application

IEEE 802.3: 10Base-T; 100Base-T; 10GBase-T, ISDN; xDSL
IEEE 802.5 16 MB; ISDN; TPDDI; ATM155Mbit/s

The conductor diameter is smaller compared to the standard installation cables. This leads to an increased attenuation and therefore the operating distance is reduced (60 m instead of 90 m installation cable in standard permanent link).

Standards

IEC 61156-6 work area cable
ISO/IEC 11801 EN 50173-5
EN 50288-4-2
IEEE 802.3af

Flame resistance

EN50399: Class Eca
LSHF (FRNC): IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	bare copper wire, Ø 0.4 mm (AWG26)
Insulation	Foam skin PP, diameter 1.0 mm (+/- 0,05)
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4x pimf to the core
Cable screen	Tinned copper braid, coverage approx. 60%
Sheath	LSHF orange RAL 2003
Printing	number printing (on element 2-6) DRAKA UC ^{Future} LOOMED ^{ZD} 26 Cat.7 S/FTP 6x4P + batch number + meter marking - 1 - (on element 1)
Stranding	6 elements stranded to the cable loom, filler in the centre
Wrapping	adhesive tape

Mechanical properties

Minimum bending radius	Without load	8xD
	With load	4xD
Temperature range	During operation	-20°C up to +60°C*
	During installation	10°C up to +40°C

UC^{FUTURE} LOOMED^{2D} 26 Cat.7 S/FTP 6x4P LSHF

* POE, reduce temperature range

Electrical properties

at 20°C

Loop resistance		≤ 280 Ω/km
Resistance unbalance		≤ 2%
Test voltage	core/core	1000 V _{DC} 1 min
	core/screen	1000 V _{DC} 1 min
Capacitance	800 Hz	nom. 44 nF/km
Capacitance unbalance		≤ 1600 pF/km
Impedance	100 MHz	100 Ω ± 5 Ω
Nominal velocity of propagation		ca. 76%
Insulation resistance	500 V	≥ 2000 MΩkm
Coupling attenuation		≥ 85 dB
Segregation classification acc. EN 50174-2		„d”

Electrical Data (nominal)

acc. to Cat.7 (at 20°C)

f (MHZ)	Attenuation (dB/10m)	NEXT (dB)	PS-NEXT (dB)	ACRF (dB/100m)	PS-ACRF (dB/100m)	Return loss (dB)
1,0	0,3	90	87	80	77	23
4,0	0,6	90	87	80	77	24
10,0	1,0	90	87	80	77	25
16,0	1,3	90	87	76	73	25
20,0	1,4	90	87	74	71	25
31,2	1,8	90	87	70	67	25
62,5	2,6	90	87	64	61	23
100,0	3,2	87	84	60	57	21
125,0	3,6	85	82	58	55	20
155,5	4,0	84	81	56	53	19
175,0	4,3	83	80	55	52	19
200,0	4,6	82	79	54	51	18
250,0	5,1	81	78	52	49	18
300,0	5,6	80	77	50	47	17
450,0	6,9	77	74	47	44	17
600,0	7,9	75	72	44	41	17

UC^{FUTURE} LOOMED^{ZD}26 Cat.7 S/FTP 6x4P LSHF

Product order data

Product Reference Code	Designation	Type	Outer diameter mm	Euro Class	Fire load		Weight kg/km	Copper content kg/km	Tensile force N
					MJ/km	kWh /m			
60013704	J-02YS(St)CH	UC ^{FUTURE} LOOMED ^{ZD} 26 Cat.7 S/FTP 6x4P LSHF	16.4	Eca	2020	0.56	210	132	700

Product Code Table

Product Description	PG Reference Code	PG Part Number
UC FUTURE LZD 26 C7 S/FTP 6x4P	60013704	60013704

© PRYSMIAN GROUP 2009, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.