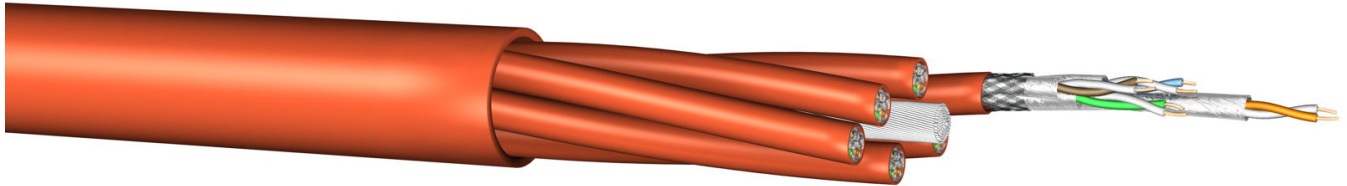


UC^{FUTURE} COMPACT^{ZD}26 Cat.7 S/FTP 6x4P LSHF

S/FTP Data Centre Cable Cat. 7 AWG26/1



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 E_{ca}
LSHF (FRNC): IEC 60332-1; IEC 60754-2; IEC 61034;

Construction

Conductor	bare copper wire, Ø 0.4 mm (AWG26/1)	
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, number printing (1-6)	
Stranding (6x)	0+6 stranded to the cable core, filler in the centre	
Overall sheath	LSHF orange RAL 2003	
Printing	DRAKA UC ^{FUTURE} COMPACT ^{ZD} 26 Cat.7 S/FTP 6x4P + batch number + meter marking	

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

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* POE, reduce the 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
Mean characteristic impedance	100 MHz	100 Ω ± 5 Ω
Nominal velocity of propagation		ca. 76%
Insulation resistance	500 V	≥ 2000 MΩkm
Coupling attenuation		≥ 85 dB Type 1
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

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			
60011482	J-09YS(St)C HH	UC ^{FUTURE} COMPACTZD26 Cat.7 S/FTP 6x4P LSHF	19.2	Eca	3460	0.96	322	132	700

UC^{FUTURE} COMPACT^{ZD}26 Cat.7 S/FTP 6x4P LSHF**Product Code Table**

Product Description	Product Code	PG Reference Code	PG Part Number
UC FUTURE CZD 26 C7 S/FTP 6x4P	1016782	60011482	60011482

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