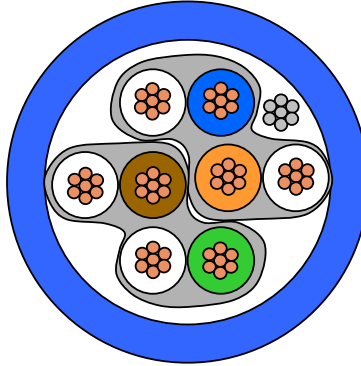




UC400 S27 Cat.6

U/FTP



Application

Tertiary (horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Standards

EN 50173-1; EN 50288-5-1
ISO/IEC 11801; IEC 61156-5
TIA/EIA-568-B.2

Flame resistance

LSHF: IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	stranded bare copper wire Ø 0.42 mm (AWG27)
Insulation	Foam Skin Polyethylene, Ø 0.98 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Screen	STP: Al-laminated plastic foil, patented wrapping of two pairs each, stranded drain wire AWG26 tinned
Sheath	LSHF(LSOH)



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Mechanical properties

Bending radius	without load	≥ 25 mm
	with load	≥ 50 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C
Maximum tensile load	during operation	-
	during installation	100 N

Electrical properties

at 20°C ± 5°C

Loop resistance		≤ 340 Ω/km
Resistance unbalance		≤ 3%
Insulation resistance	(500 V)	≥ 2000 MΩ*km
Mutual capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km
Characteristic impedance	(1-100 MHz)	(100 ± 15) Ω
	(100 - 250 MHz)	(100 ± 18) Ω
Nominal velocity of propagation		Ca.79 %
Propagation delay		≤ 427 ns/100m
Delay skew		≤ 12 ns/100m
Test voltage		1000 V
Transfer impedance	at 1 MHz	≤ 50 mΩ/m
	at 10 MHz	≤ 100 mΩ/m
	at 30 MHz	≤ 200 mΩ/m

Electrical data (nominal)

at 20°C

F (MHZ)	Attenuation (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1.0	0.3	87	84	75	72	23
4.0	0.7	78	75	75	72	23
10.0	1.0	72	69	75	72	23
16.0	1.3	69	66	71	68	23
20.0	1.5	68	65	69	66	23
31.2	1.8	65	62	65	62	23
62.5	2.6	60	57	59	56	23
100.0	3.3	57	54	55	52	23
125.0	3.6	56	53	53	50	21
155.5	4.1	54	51	51	48	21
175.0	4.3	53	50	50	47	21
200.0	4.6	53	50	49	46	21
250.0	5.1	51	48	47	44	
300.0	5.6	50	47	45	42	
400.0	6.5	48	45	43	40	



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Technical Data

Product name	Type	Colour	Outer dia-	Fire load	Weight	Delivery form	Material code		DCN no.	El. no
			meter	MJ/km	Kg/km					
			Mm							
UC400 S27 4P LSHF	U/FTP	Grey RAL7035	5,7	352	26	-	1000615	-	-	-
UC400 S27 4P LSHF	U/FTP	Red RAL3000	5,7	342	26	-	1000607	-	-	-
UC400 S27 4P LSHF	U/FTP	Green RAL6016	5,7	342	26	-	1000608	-	-	-
UC400 S27 4P LSHF	U/FTP	Yellow RAL1021	5,7	342	26	-	1000611	-	-	-
UC400 S27 4P LSHF	U/FTP	Blue RAL5012	5,7	342	26	-	1000609	-	-	-
UC400 S27 4P LSHF	U/FTP	Black RAL9011	5,7	342	26	-	1000606	-	-	-
UC400 S27 4P LSHF	U/FTP	Orange RAL2003	5,7	342	26	-	1000605	-	-	-
UC400 S27 4P LSHF	U/FTP	White RAL9010	5,7	342	26	-	1000613	-	-	-