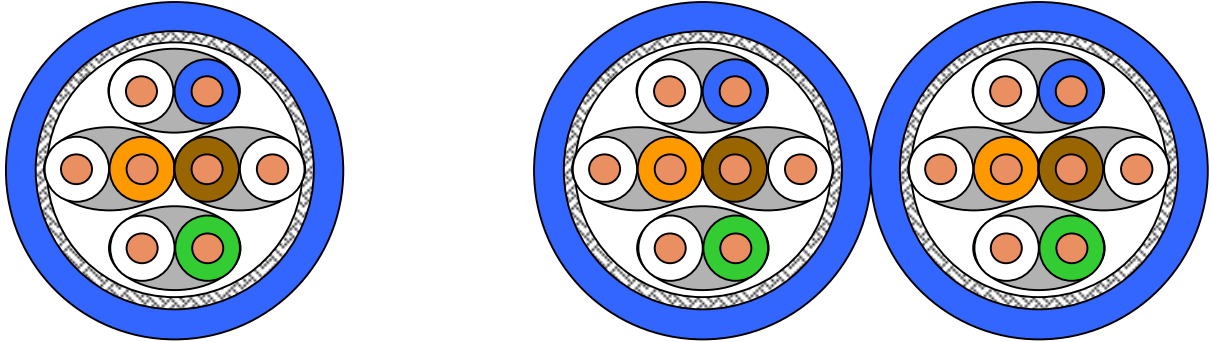




UC400 HS23 Cat.6

S/FTP



Application

Generic Data transmission

Standards

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

Fire rating

LSOH : IEC 60754-2; IEC 61034, IEC 60332-1

Construction

Conductor	Bare copper wire Ø 0.55 mm (AWG23)
Insulation	PE, Ø 1.4 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs
Pair screen	Al-laminated plastic foil around each pair
Overall screen	Copper braid, tinned Ø 6,2mm
Sheath	Flame retardant and halogen free LSOH

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Mechanical Properties

Bending radius	Installation	8 x D
	Installed	4 x D
Temperature range	During operation	-20°C to + 60°C
	During installation	0°C to + 50°C
Maximum tensile load, installation	During installation	100N
	Installed	-

Electrical Properties

at 20°C

DC loop resistance		≤ 145 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 5000 MΩxkm
Capacitance	at 800 Hz	Nom. 44 nF/km
Capacitance unbalance	(pair to ground)	≤ 800 pF/km
Mean Characteristic impedance	@ 100 MHz)	100 ± 5 Ω
Nominal velocity of propagation		0,75c
Propagation delay		≤ 500 ns/100 m
Delay skew		≤ 20 ns/100 m
Transfer impedance	at 1 MHz	≤ 10 mΩ /m
	at 10 MHz	≤ 10 mΩ /m
	at 30 MHz	≤ 30 mΩ /m
	at 100 MHz	≤ 60 mΩ /m

Nominal Transmission characteristics

at 20°C

F (MHz)	Dämpfung, (dB/100m)	NEXT (dB)	ACR (dB/100m)	Return loss (dB)	PS-NEXT (dB)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)
1	2,0	90	88		87	85	85	82
4	3,6	90	86	27	87	83	85	82
10	5,6	90	84	30	87	81	79	76
16	7,1	90	83	30	87	80	75	72
20	7,9	90	82	30	87	79	73	70
31.25	10,0	90	80	30	87	77	69	66
62.50	14,3	90	76	30	87	73	63	60
100	18,2	90	72	30	87	69	59	56
155.00	23,0	88	65	26	85	62	55	52
200.00	26,4	88	62	25	85	59	53	50
250.00	29,7	86	56	25	83	53	51	48
300.00	32,8	86	53	23	83	50	49	46
400.00	38,1	86	48	23	83	45	44	41



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Technical Data

Product name	Type	Colour	Outer diameter mm	Fire load MJ/km	Weight kg/km	Delivery form	Material code		DCN no.	El. no
UC400 HS23 4P LSOH	S/FTP	Blue RAL5012	7,4	761	54	D500	1000786	-00500DP	794411	1082605
UC400 HS23 2 x 4P LSOH	S/FTP	Blue RAL5012	7,4 x 15,5	1522	109	D500	On request	On request	On request	On request