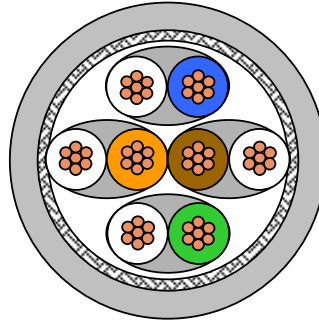




UC900 SS26 Cat.7

S/FTP



Application

Generic Data transmission. Patch and work area cable

Standards

EN 50173-1; ISO/IEC 11801; EN 50288-4-2; IEC61156-6;

Fire rating

LSFROH: IEC 60754-2; IEC 61034, IEC 60332-3-24

Construction

Conductor	Stranded copper wire, Ø 0,14 mm ²
Insulation	PE, Ø 1.00 +/- 0,05 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 5,1mm
Sheath	Fire retardant and halogen free LSFROH

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	-

UC900 SS26 Cat.7

Electrical Properties

at 20°C

DC loop resistance		≤ 250 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 5000 MΩxkm
Capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair to ground)	≤ 700 pF/km
Mean Characteristic impedance	@ 100 MHz)	100 ± 5 Ω
Nominal velocity of propagation		0,75c
Propagation delay		≤ 460 ns/100 m
Delay skew		≤ 10 ns/100 m
Transfer impedance	at 1 MHz	≤ 10 mΩ /m
	at 10 MHz	≤ 10 mΩ /m
	at 30 MHz	≤ 25 mΩ /m

Nominal Transmission characteristics

at 20°C

F (MHz)	Attenuation (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	3	100	97	-	97	94	90	87
4	5,5	100	95	27	97	92	90	87
10	8	100	92	28	97	89	84	81
16	10	100	90	28	97	87	80	77
20	11	97	86	28	94	83	80	77
31,25	14	95	81	28	92	78	75	72
62,5	20	95	75	28	92	72	73	70
100	26	95	69	28	92	66	66	63
155	32	94	62	26	91	59	62	59
200	37	93	56	25	90	53	56	53
250	41	93	52	25	90	49	53	50
300	47	92	45	23	89	42	45	42
600	68	90	22	20	87	19	39	36

Technical Data

Product name	Type	Colour	Outer diameter Mm	Fire load MJ/km	Weight Kg/km	Delivery form	Material code		DCN no.	El. no
UC900 S26 4P LSHF-FR	S/FTP	Grey RAL7035	6,0	296	37	D500	1000761	-00500DP	792951	1089360