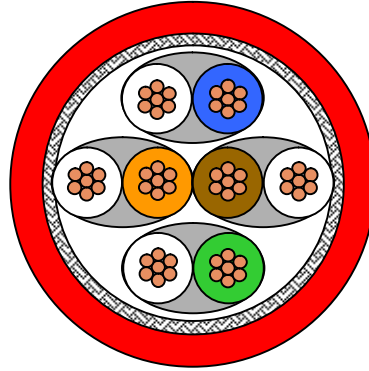


UC900 SS27 Cat.7 PUR

S/FTP Patch cable AWG27/7



Application

Work area and patch cord cable
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Standards

EIA/TIA 568A;
ISO/IEC 11801 2nd ed.; IEC 61156-6
EN 50173-1; EN 50288-4-2

Flame resistance

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

Chemical resistance

Oil resistant against Mineral – oil, ASTM – oil
The sheath material is tested in Hydraulic oil
ARAL VITAM 32, Mobil DTE 13 M, Gear oil ARAL DEGOL BG Plus 320 and Tribol 1710/320.

Construction

Conductor	stranded bare copper wire \varnothing 0.42 mm (AWG 27/7)	
Insulation	Foam Skin Polypropylen, \varnothing 0.98 mm	
Twisting	2 cores to the pair	
Pair screen	Al-laminated plastic foil	
Cable lay up	4 pairs (PiMF) to the core	
Screen	Copper braid, tinned	
Sheath	PUR, red	

Mechanical properties

Bending radius	without load	≥ 25 mm
	with load	≥ 50 mm
Temperature range	during operation	-35°C to + 75°C
	during installation	-5°C to + 50°C
UV resistance of sheath material	acc. to IEC60068-2-5	
Ozone resistance	acc. to EN 60811-2-1, clause 8	
Smoke density	acc. to EN 50268-2, IEC61034-1 and 2	
Corrosivity	acc. EN 50267-1 and 2, IEC 60754-1 and 2	

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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
Mean characteristic impedance	100 MHz	100 ± 5 Ω
Nominal velocity of propagation		ca. 79 %
Propagation delay		≤ 427 ns/100m
Delay skew		≤ 12 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	at 1 MHz	25 mΩ/m
	at 10 MHz	15 mΩ/m
	at 30 MHz	30 mΩ/m
Coupling attenuation		75 dB

Electrical data (nominal)

acc. to Cat.7 (at 20°C)

F (MHZ)	Attenuation (dB/10m)	NEXT (dB)	PS-NEXT (dB)	ACR (dB/100m)	ACRF (dB/100m)	PS-ACRF (dB/100m)	Return loss (dB)
1.0	0.3	90	87	87	80	77	23
4.0	0.6	90	87	84	80	77	24
10.0	1.0	90	87	80	80	77	25
16.0	1.3	90	87	77	76	73	25
20.0	1.4	90	87	76	74	71	25
31.2	1.8	90	87	72	70	67	25
62.5	2.6	90	87	64	64	61	23
100.0	3.2	87	84	55	60	57	21
125.0	3.6	85	82	49	58	55	20
155.5	4.0	84	81	44	56	53	19
175.0	4.3	83	80	40	55	52	19
200.0	4.6	82	79	36	54	51	18
250.0	5.1	81	78	30	52	49	18
300.0	5.6	80	77	24	50	47	17
450.0	6.9	77	74	8	47	44	17
600.0	7.9	75	72	-4	44	41	17
750.0	8.7	73	70		42	39	
900.0	9.7	72	69		41	38	
1000,0	10,2	71	68		40	37	

UC900 SS27 Cat.7 PUR

Technical data

Product code	Cable type	Brand name	Colour	Outer diameter mm	Fire load		Weight kg/km	Copper content	Tensile force
					MJ/km	kWh/m			N
1001136	Li-02YSC11Y 4x2x0.42L PiMF	UC900 SS27 Cat.7 PUR S/FTP 4P	red	5.9	383	0.106	34	24	100

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
UC900 SS 27 4P PUR GR RAL 7035		60014324	60014324
UC900 SS 27 C7 S/FTPp 4P PUR GY 500DW	1020136-00500DW	60025100	60014326
UC900 SS 27 C7 S/FTPp 4P PUR 1000DW	1005974-01000DW	60014324	60025099

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