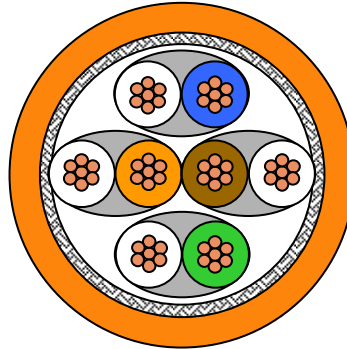


## UC900 SS27 Cat.7

### 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

EN 50173-1; EN 50288-4-2  
ISO/IEC 11801; IEC 61156-6

### Flame resistance

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

### 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	PVC or LSHF, color see "Technical data"	

### Mechanical properties

Bending radius	without load	$\geq 25$ mm
	with load	$\geq 50$ mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

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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	10 mΩ/m
	at 10 MHz	10 mΩ/m
	at 30 MHz	30 mΩ/m
Coupling attenuation		85 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	90	80	77	23
4.0	0.6	90	87	89	80	77	24
10.0	1.0	90	87	89	80	77	25
16.0	1.3	90	87	89	76	73	25
20.0	1.4	90	87	89	74	71	25
31.2	1.8	90	87	88	70	67	25
62.5	2.6	90	87	87	64	61	23
100.0	3.2	87	84	84	60	57	21
125.0	3.6	85	82	81	58	55	20
155.5	4.0	84	81	80	56	53	19
175.0	4.3	83	80	79	55	52	19
200.0	4.6	82	79	77	54	51	18
250.0	5.1	81	78	76	52	49	18
300.0	5.6	80	77	74	50	47	17
450.0	6.9	77	74	70	47	44	17
600.0	7.9	75	72	67	44	41	17
750.0	8.7	73	70	64	42	39	
900.0	9.7	72	69	62	41	38	
1000,0	10,2	71	68	61	40	37	

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### Product order data

Product code	Cable type	Brand name	Colour	Outer diameter mm	Fire load		Weight kg/km	Copper content	Tensile force N
					MJ/km	kWh/m			
1001128	Li-02YSCY 4x2x0,42L PiMF	UC900 SS27 Cat.7 S/FTP 4P	blue	5,9	383	0,106	37	24	100
1001129	Li-02YSCH 4x2x0,42L PiMF LSHF	UC900 SS27 Cat.7 S/FTP 4PLSHF	orange		349	0,097	39		
1001130			black						
1001131			red						
1001132			green						
1001133			blue						
1001134			grey						
1001135	yellow								

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## Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
UC900 SS27 C7 S/FTPp 4P LSHF GY no pr.		60015521	<b>60015521</b>
UC900 SS27 C7 S/FTPp 4P LSHF GYnp 1000DW	1000387-01000DW	60015521	<b>60015525</b>
UC900 SS27 C7 S/FTPp 4P LSHF GYnp 1000DP	1000387-01000DP	60015521	<b>60015527</b>
UC900 SS27 C7 S/FTPp 4P LSHF OG np		60015510	<b>60015510</b>
UC900 SS27 C7 S/FTPp 4P LSHF OG	1001129	60016131	<b>60016131</b>
UC900 SS27 C7 S/FTPp 4P LSHF OG 100RW	1001129-00100RW	60016131	<b>60016134</b>
UC900 SS27 C7 S/FTPp 4P LSHF OG 500DW	1001129-00500DW	60016131	<b>60016136</b>
UC900 SS27 C7 S/FTPp 4P LSHF OG 1000DW	1001129-01000DW	60016131	<b>60016141</b>
UC900 SS27 C7 S/FTPp 4P LSHF BK no pr.		60015511	<b>60015511</b>
UC900 SS27 C7 S/FTPp 4P LSHF BK	1001130	60011273	<b>60011273</b>
UC900 SS27 C7 S/FTPp 4P LSHF BK 100RW	1001130-00100RW	60011273	<b>60016148</b>
UC900 SS27 C7 S/FTPp 4P LSHF BK 500DW	1001130-00500DW	60011273	<b>60016151</b>
UC900 SS27 C7 S/FTPp 4P LSHF BK 1000DW	1001130-01000DW	60011273	<b>60016153</b>
UC900 SS27 C7 S/FTPp 4P LSHF RD np		60015513	<b>60015513</b>
UC900 SS27 C7 S/FTPp 4P LSHF RD	1001131	60016156	<b>60016156</b>
UC900 SS27 C7 S/FTPp 4P LSHF RD 100RW	1001131-00100RW	60016156	<b>60016159</b>
UC900 SS27 C7 S/FTPp 4P LSHF RD 500DW	1001131-00500DW	60016156	<b>60016161</b>
UC900 SS27 C7 S/FTPp 4P LSHF RD 1000DW	1001131-01000DW	60016156	<b>60016163</b>
UC900 SS27 C7 S/FTPp 4P LSHF GN no pr.		60015515	<b>60015515</b>
UC900 SS27 C7 S/FTPp 4P LSHF GN		60016166	<b>60016166</b>
UC900 SS27 C7 S/FTPp 4P LSHF GN 100RW	1001132-00100RW	60016166	<b>60016169</b>
UC900 SS27 C7 S/FTPp 4P LSHF GN 500DW	1001132-00500DW	60016166	<b>60016172</b>
UC900 SS27 C7 S/FTPp 4P LSHF GN 1000DW	1001132-01000DW	60016166	<b>60016175</b>
UC900 SS27 C7 S/FTPp 4P LSHF BU no pr.		60015517	<b>60015517</b>
UC900 SS27 C7 S/FTPp 4P LSHF BU	1001133	60016178	<b>60016178</b>
UC900 SS27 C7 S/FTPp 4P LSHF BU 100RW	1001133-00100RW	60016178	<b>60016180</b>
UC900 SS27 C7 S/FTPp 4P LSHF BU 500DW	1001133-00500DW	60016178	<b>60016182</b>
UC900 SS27 C7 S/FTPp 4P LSHF BU 1000DW	1001133-01000DW	60016178	<b>60016185</b>
UC900 SS27 C7 S/FTPp 4P LSHF GY	1001134	60011272	<b>60011272</b>
UC900 SS27 C7 S/FTPp 4P LSHF GY 100RW	1001134-00100RW	60011272	<b>60016191</b>
UC900 SS27 C7 S/FTPp 4P LSHF GY 500DW	1001134-00500DW	60011272	<b>60016195</b>
UC900 SS27 C7 S/FTPp 4P LSHF GY 1000DP	1001134-01000DP	60011272	<b>60016200</b>
UC900 SS27 C7 S/FTPp 4P LSHF GY 1000DW	1001134-01000DW	60011272	<b>60011271</b>
UC900 SS27 C7 S/FTPp 4P LSHF GY 50RW	1001134-00050RW	60011272	<b>60016203</b>
UC900 SS27 C7 S/FTPp 4P LSHF GY 25RW	1001134-00025RW	60011272	<b>60016206</b>
UC900 SS27 C7 S/FTPp 4P LSHF YE	1001135	60011274	<b>60011274</b>
UC900 SS27 C7 S/FTPp 4P LSHF YE 100RW	1001135-00100RW	60011274	<b>60016212</b>
UC900 SS27 C7 S/FTPp 4P LSHF YE 500DW	1001135-00500DW	60011274	<b>60016215</b>
UC900 SS27 C7 S/FTPp 4P LSHF YE 1000DW	1001135-01000DW	60011274	<b>60016218</b>
UC900 SS27 C7 S/FTPp 4P LSHF VT		60016221	<b>60016221</b>
UC900 SS27 C7 S/FTPp 4P LSHF VT 1000DW	1001159-01000DW	60016221	<b>60016224</b>
UC900 SS27 C7 S/FTPp 4P LSHF WH		60016226	<b>60016226</b>
UC900 SS27 C7 S/FTPp 4P LSHF WH 1000DW	1016570-01000DW	60016226	<b>60016230</b>
UC900 SS27 C7 S/FTPp 4P LSHF BK 5000DW	1001130-05000DW	60011273	<b>60025669</b>

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