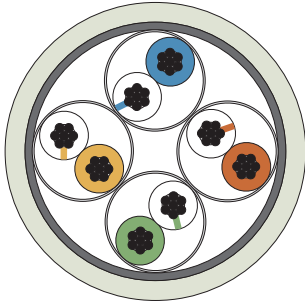




# Datacable - Patchcable - Category 7

**SPEEDLAN® – up 900 MHz**

**XLAN-900 C/STP 26-..P PATCH**



<b>900 MHz</b>	Frequency range	<b>DA 2-4</b>	Number of double cores
<b>Z 100Ω</b>	Impedance	<b>C</b>	Overall screening
<b>AWG 26/7</b>	Dimension of conductor		Cable make up
	Cable elements		

Type	Number of double cores	Fire load value kWh/m	Outer diameter approx. mm	Weight approx. kg/km
XLAN-900 C/STP 26-2P PATCH	2	0,114 (0,075)	5,7	29 (27)
XLAN-900 C/STP 26-4P PATCH	4	0,144 (0,108)	5,8	38 (36)

Values in ( ) are valid for FRNC-version

## Specification

### Application

Overall shielded patch cable for 900 MHz with individually shielded pairs.

Future-safe high-screened patch cable with very high system reserves (far better than Cat.7) and outstanding EMV characteristics. Usable for highest data transmission rates and Multimedia applications. For highest application flexibility and quality requirements.

Usable for:

10BaseT, 100BaseT, 1000BaseT, ATM 155/622Mbit/s, TP-PMD 125 Mbit/s, CDDI/TPDDI, Token Ring 4/16 Mbit/s, ISDN, analogue telephony

### Construction details

Conductor: plain stranded copper conductor 7x0,16 mm Ø

Insulation: skin-foam-skin PE

Colour code: WT-BU/BU; WT-OR/OR; WT-GN/GN; WT-BR/BR

Cable make up:

cores twisted together,  
aluminium laminated PET-foil –  
aluminium outside (**STP**),  
shielded pairs cabled together

Screening: tinned copper braid (**C**)

Sheath: PVC, grey (approx. RAL 7035)

### Note

Also available with halogenfree (LSOH, FRNC) sheath according to EN 50168 (**XLAN-900 C/STP 26-..P FRNC PATCH**); grey.

### Cable Marking

XLAN-900 C/STP 26-..P PATCH-CABLE CAT.7 PMD  
P/N...<JTTT> \* SPEEDLAN \* <00000m>

## Electrical Details (at 20°C)

Standard	Category 7 (EN 50288-4-2)
Loop resistance	≤ 264 Ω/km
Insulation resistance	≥ 10 GΩkm
Mutual capacitance (at f=800Hz)	nom. 45 nF/km
Capacitance unbalance k (at f=800Hz)	≤ 100 pF/500m
Capacitance unbalance e (at f=800Hz)	≤ 750 pF/500m
Propagation Delay (NVP)	nom. 77 %
Transfer impedance R <sub>k</sub> at 1-100 MHz	≤ 8 mΩ/m
Impedance Z	
1 ≤ f ≤ 100 MHz	100±15 % Ω
100 < f ≤ 600 MHz	100±25 % Ω
Dielectric strength	500V/50Hz conductor/conductor 800V/50Hz conductor/shield
Temperature range during installation for stationary conditions	-5 up to +50 °C -30 up to +70 °C

Frequency	f	MHz		1	4	10	16	20	31,25	62,5	100	155	300	600	800	900
Attenuation	α	dB/100m	max. <sup>*)</sup>	3,2	5,9	9,0	11,4	12,8	15,5	22,5	28,5	36,0	49,5	75,0	-	-
			typ.	2,5	5,2	8,0	10,7	11,4	14,2	20,5	27,0	34,5	47,5	72,0	81,0	85,0
NEXT	α <sub>NN</sub>	dB	min. <sup>*)</sup>	80	80	80	80	80	80	75	71	68	64	60	-	-
			typ.	>90	>90	>90	>90	>90	>90	90	83	78	71	65	63	62
ACR		dB/10m	min. <sup>*)</sup>	79,7	79,4	79,1	78,9	78,7	78,4	72,7	68,1	64,4	59,0	52,8	-	-
			typ.	>89	>89	>89	>89	>88,9	>88,6	87,9	80,3	74,5	66,2	57,8	54,9	53,5
Return Loss	R <sub>L</sub>	dB	min	23	23	23	23	23	23	23	23	23	23	20	-	-
			typ.	24	24	24	24	24	24	24	24	24	24	21	19,5	19,0

<sup>\*)</sup> Category 7 – values according to EN50288-4-1