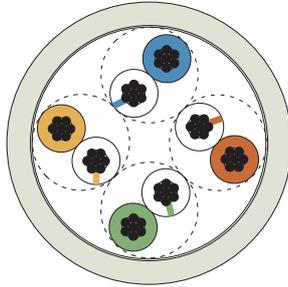


Datacable - Patchkabel - Category 5E

SPEEDLAN® – for 300 MHz

XLAN-200 U/UTP 26-4P PATCH



300 MHz	Frequency range	DA 4	Number of double cores
Z 100Ω	Impedance		Overall screening
AWG 26/7	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-200 U/UTP 26-4P PATCH <small>Values in () are valid for FRNC-version</small>	4	0,122 (0,085)	4,7	25 (23)

Specification

Application

Patchcable up to 300 MHz, unshielded.

Very compact designed and approved patch cable with rather good system reserves (far better than Cat.5E). For all current data services as well as Gigabit Ethernet.

Usabel for:

10BaseT, 100BaseT, 1000BaseT, ATM 155 Mbit/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: PE
 Colour code: WT-BU/BU; WT-OR/OR; WT-GN/GN; WT-BR/BR
 Cable make up: cores twisted together, pairs cabled together (**UTP**),
 Sheath: PVC, grey (approx. RAL 7035)

Note

Also available with halogenfree (LSOH, FRNC) sheath according to EN 50168 (**XLAN-200 U/UTP 26-..P FRNC PATCH**); grey.

Cable Marking

XLAN-200 U/UTP 26-..P PATCH-CABLE CAT.5E PMD P/N...
 P/N...<JTTT> * SPEEDLAN * <00000m>

Electrical Details (at 20°C)

Standard	Category 5E (TIA/EIA-568-A-5) Category 5 (ISO/IEC 11801, EN 50173)
Loop resistance	≤ 264 Ω/km
Insulation resistance	≥ 10 GΩkm
Mutual capacitance (at f=800Hz)	nom. 50 nF/km
Capacitance unbalance k (at f=800Hz)	≤ 100 pF/500m
Propagation Delay (NVP)	nom. 71%
Impedance Z ≥ 1 MHz	100±15 % 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	200	300
Attenuation	α	dB/100m	max. ¹⁾	3,2	6,5	9,9	12,3	13,8	17,7	25,7	33,0	-	-	-
			typ.	2,2	5,5	8,8	11,6	13,2	16,8	24,8	32,0	41	47	60
NEXT	α _{NN}	dB	min. ¹⁾	62	53	47	44	42	40	35	32	-	-	-
			typ.	68	59	53	51	49	46	42	39	36	33	30
ACR		dB/10m	min. ¹⁾	61,7	52,1	46,0	42,8	40,6	38,2	32,4	28,7	-	-	-
			typ.	67,7	58,4	52,1	49,8	47,6	44,3	39,5	35,8	31,9	28,3	24,0
Return Loss	R _L	dB	min	20	23	25	25	25	23	20,5	19	-	-	-
			typ.	22	25	27	27	27	25	22,5	21	19	18	17

¹⁾ Category 5 – values according to ISO/IEC 11801, EN 50173