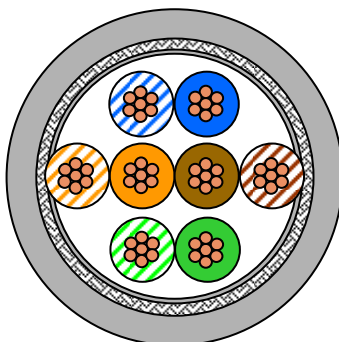


UC300 HS26 Patch Cable	Li-2Y(St)CY/..H 4x2x0.48L (AWG 26) 100Ω Data Cable ISO/IEC 11801 CAT-5e	S/FTP
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The right to alterations reserved



Application: Tertiary (horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-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 50288-2-2

Fire rating
PVC: IEC 60332-1
FRNC: IEC 60332-1; IEC 60754-2; IEC 61034;

Construction

Conductor	stranded bare copper wire Ø 0.48 mm (AWG 26)
Insulation	Polyethylene, Ø 0.95 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Overall screen	Al-laminated plastic foil + Copper braid, tinned
Sheath	PVC or FRNC

Technical Data

Product code	Designation	Brand name	Colour	Outer diameter mm	Fire load		Weight kg/km	Copper content kg/km	Tensile force N
					MJ/km	kWh/m			
CD2753935 CD2753932 CD2753933 CD2753934 CD2753936 CD2753937	Li-2Y(St)CY 4x2x0.48L PVC	UC300 HS26 4P PVC	grey red green blue yellow black	5.7	369	0.103	37	23	100
CD7672635 CD7672632 CD7672633 CD7672634 CD7672636 CD7672637	Li-2Y(St)CH 4x2x0.48L FRNC	UC300 HS26 4P FRNC	grey red green blue yellow black	5.7	369	0.103	37	23	100

UC300 HS26 Patch Cable	Li-2Y(St)CY/..H 4x2x0.48L (AWG 26) 100Ω Data Cable ISO/IEC 11801 CAT-5e	S/FTP
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Mechanical Properties

Bending radius	≥ 20 mm without load ≥ 40 mm with load
Temperature range,	during operation -20°C upto + 60°C during installation 0°C upto + 50°C

Electrical Properties (at 20°C ± 5°C)

DC loop resistance	≤ 260 Ω /km
Resistance unbalance	≤ 3%
Insulation resistance (500 V)	≥ 2000 MΩ *km
Capacitance at 800 Hz	nom. 48 nF/km
Capacitance unbalance (pair to ground)	≤ 1500 pF/km
Characteristic impedance (1-100 MHz)	(100 ± 15) Ω
Nominal velocity of propagation	approx. 67 %
Propagation delay	≤ 535 ns/100m
Delay skew	≤ 20 ns/100m
Test voltage (DC, 1 min)	1000 V
Core/Core and Core/Screen	
Transfer impedance	at 1 MHz ≤ 30 mΩ /m at 10 MHz ≤ 30 mΩ /m at 30 MHz ≤ 50 mΩ /m

Transmission characteristics acc. to Category 5e (at 20 °C)

f (MHz)	Attenuation (dB/10m) nom.	NEXT (dB)		PS-NEXT (dB)		ELFEXT (dB/10m)		PS-ELFEXT (dB/10m)		Return loss (dB) min.
		min.	nom.	min.	nom.	min.	nom.	min.	nom.	
1	0.3	65	71	62	68	64	68	61	65	23
4	0.6	56	62	53	59	52	56	49	53	23
10	0.9	50	56	47	53	44	48	41	45	23
16	1.1	47	53	44	50	40	44	37	41	23
20	1.3	46	51	43	48	38	42	35	39	23
31.2	1.6	43	49	40	46	34	38	31	35	23
62.5	2.4	38	44	35	41	28	32	25	29	23
100	3.0	35	41	32	38	24	28	21	25	23
125	3.3		40		37		26		23	
155.5	3.6		38		35		24		21	
175	3.9		37		34		23		20	
200	4.1		36		33		22		19	
250	4.4		35		32		20		17	
300	4.8		34		31		16		13	