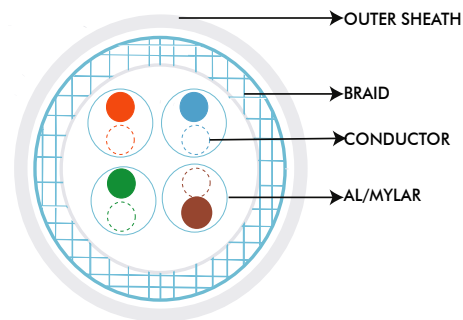




CATEGORY 6A S/FTP PATCH CORD



COMPLIANCE

ISO/IEC 11801, ANSI/TIA-568.2-D

PHYSICAL CHARACTERISTICS

Conductor Material	Stranded - Bare Copper
Conductor Nom.O.D (mm)	26 AWG (7/0.16)
Insulation Material	Skin-foam-skin-PE
Insulation Diameter	1.00 ± 0.05mm
Inner Screening Material	AL / Mylar
Outer Screening Material	Tinned copper 0.10mm (Coverage ≥ 30%)
Sheath Thickness	0.55 ± 0.05mm
External O.D (Avg.)	6.1 ± 0.3mm
Sheath Surface	Clean
Diameter Over Jacket	6.1±0.3 mm
Sheath Material	LSZH (Complies RoHS)
Compatible Conductor Gauge, solid	26 AWG
Transmission Standards	ISO/IEC 11801-1 ANSI/TIA-568.2-D
Wiring Standards	ISO/IEC 11801-3 ANSI/TIA-568.2-D

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-20° C to +60° C
Relative Humidity	5% to 85%
Storage Temperature Range	-10° C to +60° C
Flammability Rating	IEC 60332-1



ELECTRICAL CHARACTERISTICS SPECIFICATION

Characteristic Impedance(Ω) 1-250MHz	100 \pm 15
Characteristic Impedance(Ω) 250 - 500MHz	100 \pm 22
Unbalanced-to-ground capacitance (pf/100m)	330 max
DC Resistance 20°C (Ω /100m)	14.8 max
DC Conductor Resistance Unbalance (%)	5.0 max
Nominal Velocity of Propagation (NVP)	74 %
Dielectric Strength	1000v DC-AC

MECHANICAL CHARACTERISTICS

Plug Insertion Life, minimum	750 Insertion cycles
Pulling Force Max	30 N

TRANSMISSION CHARACTERISTICS

FREQ. (MHz)	RL dB	ATT dB	NEXT dB	PS NEXT dB	ELFEXT dB	PSELFEXT dB	PHASE DELAY ns
4	23.0	5.6	66.3	63.3	56.0	53.0	552.0
8	24.5	8.0	61.8	58.8	49.9	46.9	547.0
10	25.0	8.9	60.3	57.3	48.0	45.0	545.0
16	25.0	11.2	57.2	54.2	43.9	40.9	543.0
20	25.0	12.6	55.8	52.8	42.0	39.0	542.0
25	24.3	14.1	54.3	51.3	40.0	37.0	541.0
31.25	23.6	15.8	52.9	49.9	38.1	35.1	540.0
62.5	21.5	22.5	48.4	45.4	32.1	29.1	539.0
100	20.1	28.7	45.3	42.3	28.0	25.0	538.0
200	18.0	41.4	40.8	37.8	22.0	19.0	537.0
250	17.3	46.6	39.3	36.3	20.0	17.0	536.0
300	16.8	51.4	38.1	35.1	18.5	15.5	536.0
400	15.9	60.1	36.3	33.3	16.0	13.0	536.0
500	15.2	67.9	34.8	31.8	14.0	11.0	536.0

ORDERING INFORMATION

Description	Order Code
CAT 6A RJ 45 TO RJ 45 PATCH CORD S/FTP WHITE	DC-PC-RJC6A-SF-XXM-LSZH-WT

**Other color and length are available upon request. (BK-BLACK, YL-YELLOW, RD-RED, BL-BLUE, GY-GREY, GR-GREEN)