

Specification for Category 7 (Class F) S/STP(S/FTP) Stranded Lan Cable

ISO/IEC 11801: Patch Cord (Stranded Conductor)

26AWG x 4P

1.Conductor: Stranded Bare Copper (7 x AWG34)

2.Insulation : HDPE(CMI-75E)

Min. Avg. Thickness: 0.38 mm;

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3.Color Code: Pair 1: Blue & White/Blue;

Pair 2: Orange & White/Orange

Pair 3: Green & White/Green;

Pair 4: Brown & White/Brown

4.Shield: Aluminum-mylar tape and Drain wire (tinned copper conductor)
coverage 65% tinned copper braid

5.Jacket: 75°C PVC Compound (CMI-80S)

Min. Avg. Thickness: 0.585 mm;

Min. Thickness: 0.458 mm

Approximate O.D.: 6.3 mm +/- 0.3mm

6.Electric Requirements: (Cable length: 100M)

Characteristic Impedance (Z_0): 85 ~ 115 Ω (1 ~ 600 MHz)

DC. Resistance Capacitance Unbalance: 5%

Pair-to-Ground Capacitance Unbalance: 330 pF/100M Max

Conductor Resistance: 14.0 Ω / 100M 20°C Max

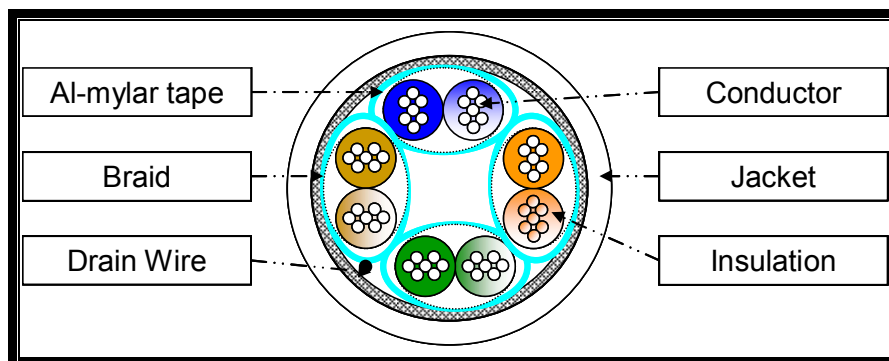
Mutual Capacitance: 5.6 nF/m Max

Spark Test: 2.5KV

Nominal Velocity of Propagation (NVP): 76 %

ROHS Compliant

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Frequency MHz	Insertion loss Stranded	Return Loss	NEXT	ACRF	Prop. Delay	PS NEXT	PS ACRF
1	4.0	20.0	74.3	67.8	570	72.3	64.8
10	8.0	25.0	59.3	47.8	545	57.3	44.8
20	9.4	25.0	54.8	41.8	542	52.8	38.8
31.25	11.5	23.6	51.9	37.9	540	49.9	34.9
62.5	16.0	21.5	47.4	37.9	539	45.4	28.9
100	20.1	20.1	44.3	27.8	538	42.3	24.8
200	30.6	18.0	39.8	21.8	538	37.8	18.8
250	34.1	17.3	38.3	19.8	536	36.3	16.8
300	38.3	16.8	37.1	18.3	536	35.1	15.3
400	45.1	15.9	35.3	15.8	536	33.3	12.8
550	52.3	15.2	33.8	13.8	536	31.8	10.8
600	56.5	14.7	32.6	12.3	536	33.9	9.3

ROHS Compliant