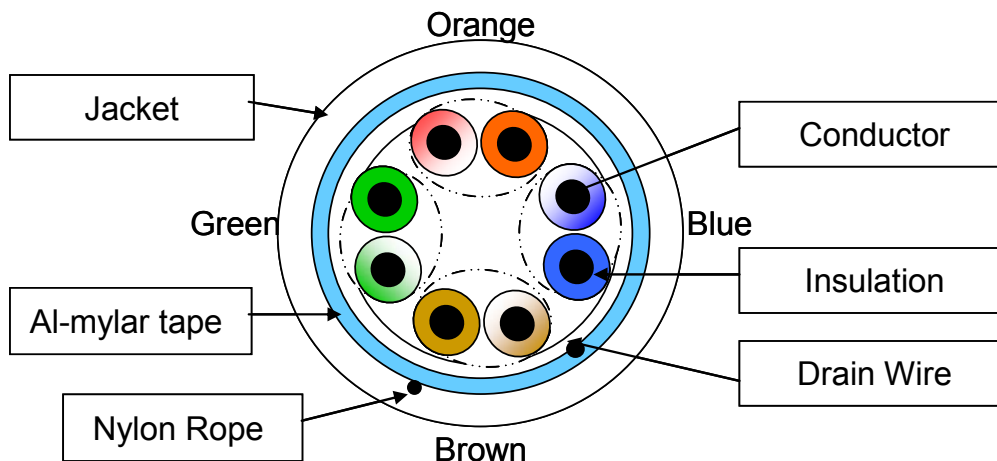


>> RP-CAT5EF

Cat.5e FTP/4P/24AWG Solid Cable

Specification

Conductor	<ul style="list-style-type: none"> • Solid Bare copper (1 x AWG24)
Insulation	<ul style="list-style-type: none"> • HDPE(CMI-75E) • Min. Avg. Thickness: 0.201 mm; • Min. Thickness: 0.175mm
Color Code	<ul style="list-style-type: none"> • Pair 1: Blue & White/Blue • Pair 2: Orange & White/Orange • Pair 3: Green & White/Green • Pair 4: Brown & White/Brown
Shield	<ul style="list-style-type: none"> • Drain wire(tinned copper conductor) and aluminum-mylar tape
Jacket	<ul style="list-style-type: none"> • 75°C PVC Compound (CMI-80S) • Min. Avg. Thickness: 0.585 mm • Min. Thickness: 0.458 mm • Approximate O.D.: 5.8 mm +/- 0.3mm
Electric Requirements (Cable length: 100M)	<ul style="list-style-type: none"> • Characteristic Impedance(Z_0): 85 ~ 115Ω (1 ~ 100 MHz) • DC. Resistance Capacitance Unbalance: 5% • Pair-to-Ground Capacitance Unbalance: 330 pF/100M Max • Conductor Resistance: 9.38Ω/ 100M 20°C Max • Mutual Capacitance: 5.6 nF/m Max • Spark Test: 2.5KV • Nominal Velocity of Propagation (NVP): 70 %



Frequency MHz	Att. Solid	Pr-Pr NEXT	PS NEXT	Prop. Delay ns	Delay Skew ns	Return Loss	Pr-Pr ELFEXT	PS ELFEXT
1	2.8	65.3	62.3	538.5	45	20.0	63.8	60.8
10	7.9	50.3	47.3	545.0	45	25.0	43.8	40.8
16	9.4	47.3	44.4	539.9	45	25.0	39.7	36.7
20	10.7	45.8	42.8	540.2	45	25.0	37.7	34.7
25	11.8	44.4	41.3	540.8	45	24.3	35.8	32.8
31.25	13.4	42.9	39.9	541.4	45	23.6	33.9	30.9
62.5	18.9	38.4	35.4	542.5	45	21.5	27.8	24.8
100	24.2	35.3	32.3	543.0	45	20.1	23.8	20.8

ORDERING INFORMATION

RP-CAT5EF Cat.5e FTP/4P/24AWG Solid Cable