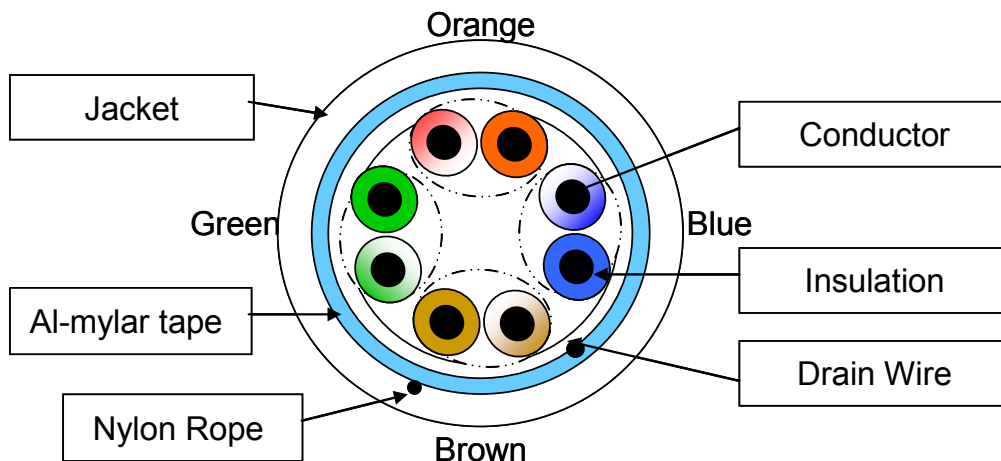


## >> RP-CAT5EF

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

#### Specification

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



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