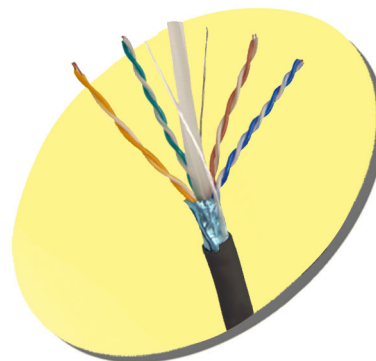
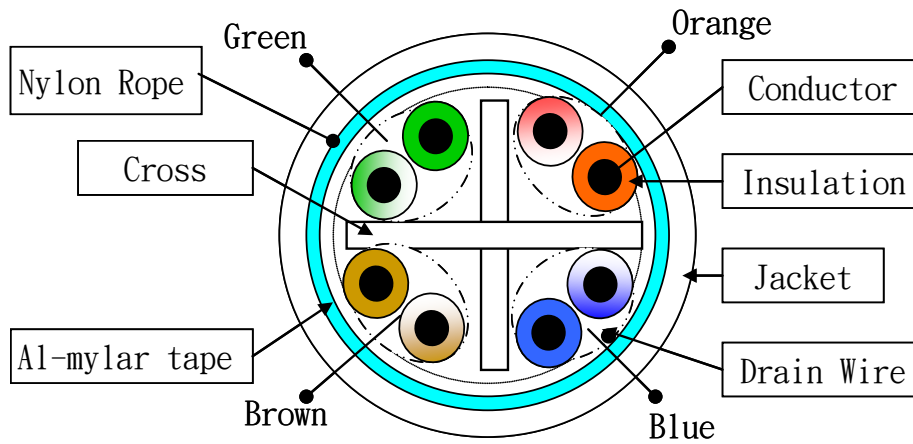


**RP-CAT6RFO****Cat.6 FTP/4P/24AWG Solid Outdoor Cable****Feature**

- UL 444 & CSA-C22.2 No.214: Type CMX outdoor, 24AWG x 4P
- ISO/IEC 11801: Horizontal Cable (Solid Conductor)

**Specification**

<b>Conductor</b>	<ul style="list-style-type: none"> <li>• Material / Size: Bare copper / 24AWG</li> </ul>
<b>Insulation</b>	<ul style="list-style-type: none"> <li>• HDPE(CMI-75E)</li> <li>• Min. Avg. Thickness: 0.201mm;</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>• CMX outdoor PVC Compound (CMI-800)</li> <li>• Min. Avg. Thickness: 0.585 mm;</li> <li>• Min. Thickness: 0.458 mm</li> <li>• Approximate Overall diameter: 6.5 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> (1~250 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: 5600 pF/100 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	74.3	72.3	570	45	20.0	67.8	64.8
10	6.5	59.3	57.3	545	45	25.0	47.8	44.8
20	8.5	54.8	52.8	542	45	25.0	41.8	38.8
31.25	10.7	51.9	49.9	540.4	45	23.6	37.9	34.9
62.5	15.4	47.4	45.4	538.6	45	21.5	31.9	28.9
100	19.8	44.3	42.3	537.6	45	20.1	27.8	24.8
200	29.0	39.8	37.8	536.5	45	18.0	21.8	18.8
250	32.8	38.3	36.3	536.3	45	17.3	19.8	16.8

The asterisked (\*) \*Values show on tables above are for reference purpose only

## Ordering information

**RP-CAT6RFO** Cat.6 FTP 4P 24AWG Solid cable in PVC Outdoor jacket