Trusted solutions shaping the always-on HFC networks of tomorrow

At CommScope, we provide proven coaxial cable solutions to help multiple service operators (MSOs) better connect with their customers, and we’ve been doing it from the earliest days of the CATV industry. More than 40 years later, CommScope offers a whole range of hybrid fiber coaxial (HFC) solutions that continues to set the standard—in performance, flexibility, reliability and cost efficiency.

With billions of feet of CommScope coaxial cable already driving the always-on networks of tomorrow, we continue to innovate new and better ways to power your network’s future.

P3® cable: Total confidence for hardline trunk/distribution applications

- Performance that beats industry standards for DOCSIS 3.1 extended testing to 1.8 or 3 GHz
- Polyethylene dielectric features closed-cell gas expanded foaming technology, with an impressive signal propagation at 87 percent of the speed of light
- Advanced Coring Technology (ACT®) greatly reduces the time needed to core, prep, and connectorize the cable

QR® cable: The flexible trunk/distribution alternative made for design and construction

- Performance that beats industry standards for DOCSIS 3.1 extended testing to 1.8 or 3 GHz
- Superior performance characteristics in a smaller cable
- Advanced Coring Technology (ACT®) greatly reduces the time needed to core, prep, and connectorize the cable

XPRESSPREP® cable: Durable, field-proven, drop cable performance

- Unique foil design interacts with the 77 percent braid, preventing stress cracking of the foil layers when exposed to the environment
- Braid provides superior protection from low frequencies, reduces attenuation and produces a solid base for connectors to grip
- Inner and outer shielding foils are permanently bonded to the dielectric and inner jacket, making connectorization faster and more consistent
- Meets and exceeds SCTE standards to 1218 MHz. Operating range from 5 to 3000 MHz.

Note: All the cables mentioned above are 75-ohm coaxial cables.

TL 9000 and ISO 14001 certified

Reel recycling program is available in the US

Download brochure
# P3® coaxial cables

## Specifications

<table>
<thead>
<tr>
<th></th>
<th>Cable type</th>
<th>Network applications</th>
<th>Impedance</th>
<th>Advanced Coring Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coaxial cables</td>
<td>Hardline</td>
<td>Trunk, Distribution</td>
<td>75 Ohm</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Cable Construction

- **Aerial unjacketed**
  - P3 CA

- **Aerial jacketed**
  - Polyethylene jacket
    - P3 JCA

- **Messenger wire**
  - Integrated figure 8 solid galvanized steel messenger
    - (stranded galvanized steel messengers used for larger diameter cables)

- **Underground**
  - Migra-Heal® flooding compound
    - P3 JCASS

## Specifications

<table>
<thead>
<tr>
<th></th>
<th>Center conductor</th>
<th>Outer conductor</th>
<th>Dielectric material</th>
<th>Cable construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coaxial cables</td>
<td>Copper-clad aluminum</td>
<td>Aluminum</td>
<td>Foam PE</td>
<td>Swaged</td>
</tr>
</tbody>
</table>

## Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>P3 500</th>
<th>P3 565</th>
<th>P3 625</th>
<th>P3 700</th>
<th>P3 750</th>
<th>P3 840</th>
<th>P3 875</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter over shield (inches)</td>
<td>0.500&quot;</td>
<td>0.565&quot;</td>
<td>0.625&quot;</td>
<td>0.700</td>
<td>0.750</td>
<td>0.840</td>
<td>0.875</td>
</tr>
</tbody>
</table>

### Aerial

- **Unjacketed**
  - P3 500 CA
  - P3 625 CA
  - P3 700 CA
  - P3 750 CA
  - P3 840 CA
  - P3 875 CA

- **Jacketed (Polyethylene)**
  - P3 500 JCA
  - P3 565 JCA
  - P3 625 JCA
  - P3 700 JCA
  - P3 750 JCA
  - P3 840 JCA
  - P3 875 JCA

- **Flooded**
  - P3 500 JCASP
  - P3 625 JCASP
  - P3 700 JCASP
  - P3 750 JCASP
  - P3 840 JCASP
  - P3 875 JCASP

### Messenger wire (diameter)

<table>
<thead>
<tr>
<th>Model</th>
<th>P3 500 JCAM109</th>
<th>P3 565 JCAM109</th>
<th>P3 625 JCAM109</th>
<th>N/A</th>
<th>N/A</th>
<th>N/A</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter over shield (inches)</td>
<td>0.109*</td>
<td>0.188*</td>
<td>0.250*</td>
<td>P3 500 JCAM109</td>
<td>P3 565 JCAM109</td>
<td>P3 625 JCAM109</td>
<td>P3 700 JCAM109</td>
</tr>
</tbody>
</table>

### Underground buried

- **Flooded**
  - P3 500 JCASS
  - P3 565 JCASS
  - P3 625 JCASS
  - P3 700 JCASS
  - P3 750 JCASS
  - P3 840 JCASS
  - P3 875 JCASS

### Steel armor (chromed plated)

<table>
<thead>
<tr>
<th>Model</th>
<th>P3 500 JCAM109</th>
<th>P3 565 JCAM109</th>
<th>P3 625 JCAM109</th>
<th>N/A</th>
<th>N/A</th>
<th>N/A</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter over shield (inches)</td>
<td>P3 500 JCASS</td>
<td>P3 565 JCASS</td>
<td>P3 625 JCASS</td>
<td>P3 700 JCASS</td>
<td>P3 750 JCASS</td>
<td>P3 840 JCASS</td>
<td>P3 875 JCASS</td>
</tr>
</tbody>
</table>

### Other options available

- **Riser flame Rated**
  - Yes
  - No
  - Yes
  - No
  - No
  - No
  - No
  - Yes

- **Alternative jacket**
  - Yes
  - No
  - Yes
  - No
  - Yes
  - No
  - Yes
  - Yes

- **Tracer Stripe**
  - Yes
  - Yes
  - Yes
  - No
  - Yes
  - Yes
  - Yes
  - Yes

### Tracer stripe color options

<table>
<thead>
<tr>
<th>Colors available:</th>
<th>Blue (T B); Green (T G); Orange (T O); Red (T R); Yellow (T Y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example:</td>
<td>P3 500 JCAT R 0.500&quot; diameter, aerial standard cable with red stripe</td>
</tr>
<tr>
<td></td>
<td>P3 625 JCAM109 0.625&quot; diameter, messenger cable with orange stripe</td>
</tr>
<tr>
<td></td>
<td>P3 750 JCASST W 0.750&quot; diameter, underground cable with white stripe</td>
</tr>
</tbody>
</table>

---

*Tracer stripe color options: A colored stripe can be added to the cable for identification purposes. Append the color code – "T B" for blue, for example – to the end of any part number.*

---

*Coaxial cables Quick reference guide* 3
# Quantum Reach® (QR®) coaxial cables

## Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable type</strong></td>
<td>Hardline</td>
</tr>
<tr>
<td><strong>Network applications</strong></td>
<td>Trunk, Distribution</td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td>75 Ohm</td>
</tr>
<tr>
<td><strong>Advanced Coring Technology</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Center conductor</strong></td>
<td>Copper-clad aluminum</td>
</tr>
<tr>
<td><strong>Outer conductor</strong></td>
<td>Aluminum</td>
</tr>
<tr>
<td><strong>Dielectric material</strong></td>
<td>Foam PE</td>
</tr>
<tr>
<td><strong>Cable construction</strong></td>
<td>Welded aluminum shield</td>
</tr>
</tbody>
</table>

## Cable Construction

- **Aerial**
  - Polyethylene jacket
  - Aluminum outer conductor
  - Center conductor
  - Dielectric
  - Dielectric adhesive

- **Underground**
  - Migra-Heal® flooding compound

- **Messenger wire**
  - Integrated figure 8
  - Solid galvanized steel messenger
  - (stranded galvanized steel messengers used for larger diameter cables)

- **Steel armor**
  - Bonded corrugated chrome plated steel armor

## Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>QR 540 JCA</th>
<th>QR 715 JCA</th>
<th>QR 860 JCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter over shield (inches)</td>
<td>0.540*</td>
<td>0.715*</td>
<td>0.860*</td>
</tr>
</tbody>
</table>

- **Aerial**
  - Standard
  - Flooded

- **Messenger wire (diameter)**
  - 0.109*
  - 0.188*
  - 0.250*

- **Underground buried**
  - QR 540 JCA

- **Steel armor (chrome plated)**
  - QR 540 JCA

- **Other options available**
  - Riser flame Rated
  - Alternative jacket
  - Tracer Stripe*

- **Tracer stripe color options**
  - Colors available: Blue (T B); Green (T G); Orange (T O); Red (T R); Yellow (T Y)
  - A colored stripe can be added to the cable for identification purposes. Append the color code – “T B” for blue, for example – to the end of any part number.
  - **Examples:**
    - QR 540 JCAT B 0.540* diameter, aerial standard cable with blue stripe
    - QR 540 JCAT G M109 0.540* diameter, messenger cable with green stripe
    - QR 540 JCAST Y 0.540* diameter, underground cable with yellow stripe
# XPRESSPREP® coaxial cables

## Specifications

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable type</strong></td>
<td><strong>Drop</strong></td>
</tr>
<tr>
<td><strong>Network applications</strong></td>
<td><strong>Indoor/Outdoor</strong></td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
<td><strong>75 Ohm</strong></td>
</tr>
</tbody>
</table>

## Specifications

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<td><strong>Copper-clad aluminum</strong></td>
</tr>
<tr>
<td><strong>Outer conductor</strong></td>
<td><strong>Aluminum</strong></td>
</tr>
<tr>
<td><strong>Dielectric material</strong></td>
<td><strong>Foam PE (Gas Expanded Polyethylene)</strong></td>
</tr>
<tr>
<td><strong>Cable construction</strong></td>
<td><strong>Braid</strong></td>
</tr>
</tbody>
</table>

## Cable Construction

- **Tri-Shield**
- **Additional aluminum foil shield**
- **XPRESSPREP® with anti-corrosive protection**
- **BrightWire anti-corrosive protection (golden foil)**

## Ordering Information for XPRESSPREP® aluminum foil shielded cable

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Braid</th>
<th>Shield</th>
<th>Jacket</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Series 6</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F677TSVV XP*</td>
<td>77%</td>
<td>Tri-Shield</td>
<td>PVC</td>
<td>NEC CATV (V-Tray Jacket)</td>
</tr>
<tr>
<td>F677TSVM XP*</td>
<td>77%</td>
<td>Tri-Shield</td>
<td>PVC</td>
<td>Messenger cable</td>
</tr>
<tr>
<td>F677TSEF XP</td>
<td>77%</td>
<td>Tri-Shield</td>
<td>PE</td>
<td>Flooded (Migra-Heal compound)</td>
</tr>
<tr>
<td><strong>Series 11</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F1177TSVV XP*</td>
<td>77%</td>
<td>Tri-Shield</td>
<td>PVC</td>
<td>NEC CATV (V-Tray Jacket)</td>
</tr>
<tr>
<td>F1177TSVM XP*</td>
<td>77%</td>
<td>Tri-Shield</td>
<td>PVC</td>
<td>Messenger cable</td>
</tr>
<tr>
<td>F1177TSEF XP</td>
<td>77%</td>
<td>Tri-Shield</td>
<td>PE</td>
<td>Flooded (Migra-Heal compound)</td>
</tr>
<tr>
<td><strong>Series 59</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F59 HEC VV XP</td>
<td>95%</td>
<td>Quad-Shield</td>
<td>PVC</td>
<td>CATV, Flame retardant PVC Jacket</td>
</tr>
</tbody>
</table>

Note: The above list represents the most commonly ordered XP cables. Additional cable types may be available.

* These XPRESSPREP cables are available with BrightWire anti-corrosive protection.

## Ordering information for XPRESSPREP® with BrightWire® anti-corrosive protection

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Braid</th>
<th>Shield</th>
<th>Jacket</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Series 6</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F677TSVV BW XP</td>
<td>77%</td>
<td>Tri-Shield</td>
<td>PVC</td>
<td>NEC CATV (V-Tray Jacket)</td>
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<tr>
<td>F677TSVM BW XP</td>
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<td>F1177TSVV BW XP</td>
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