



Coaxial cables

Quick reference guide

COMMSCOPE®

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



P3 cable



QR cable



XPRESSPREP® cable



XPRESSPREP® cable with BrightWire® anti-corrosive protection

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

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.

TL 9000 and ISO 14001 certified



Reel recycling program is available in the US

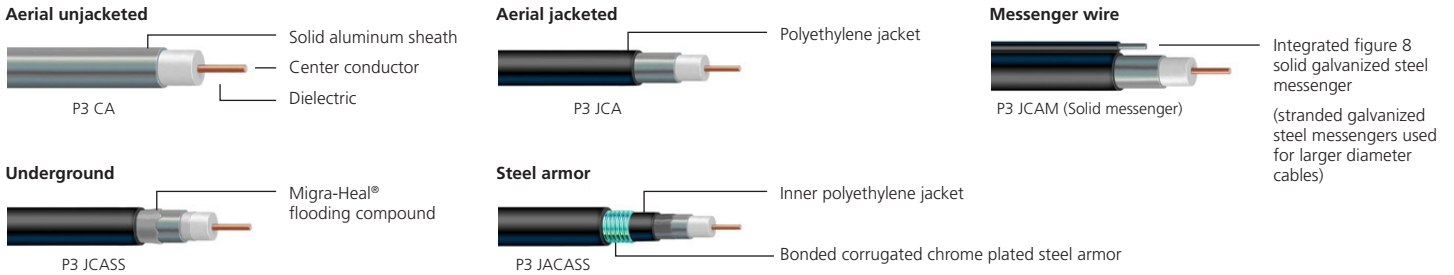
[Download brochure](#)

P3[®] coaxial cables

Specifications	
Cable type	Hardline
Network applications	Trunk, Distribution
Impedance	75 Ohm
Advanced Coring Technology	Yes

Specifications	
Center conductor	Copper-clad aluminum
Outer conductor	Aluminum
Dielectric material	Foam PE
Cable construction	Swaged

Cable Construction



Ordering Information

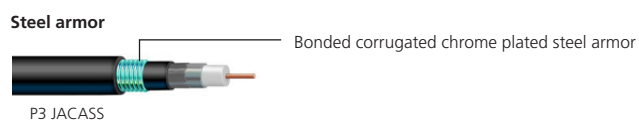
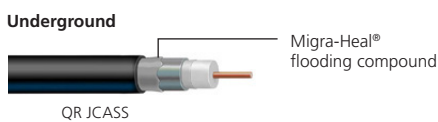
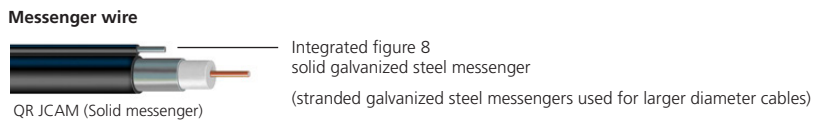
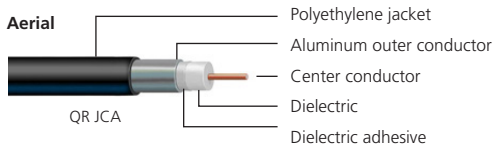
Model	P3 500	P3 565	P3 625	P3 700	P3 750	P3 840	P3 875
Diameter over shield (inches)	0.500"	0.565"	0.625"	0.700	0.750	0.840	0.875
Aerial							
Unjacketed	P3 500 CA	N/A	P3 625 CA	N/A	P3 750 CA	N/A	P3 875 CA
Jacketed (Polyethylene)	P3 500 JCA	P3 565 JCA	P3 625 JCA	P3 700 JCA	P3 750 JCA	P3 840 JCA	P3 875 JCA
Flooded	P3 500 JCASP	N/A	P3 625 JCASP	N/A	P3 750 JCASP	N/A	P3 875 JCASP
Messenger wire (diameter)							
0.109"	P3 500 JCAM109	P3 565 JCAM109	P3 625 JCAM109	N/A	N/A	N/A	N/A
0.188"	P3 500 JCAM188	N/A	P3 625 JCAM188	P3 700 JCAM188	P3 750 JCAM188	N/A	N/A
0.250"	N/A	N/A	N/A	N/A	P3 750 JCAM250	N/A	N/A
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 (chrome plated)							
	P3 500 JACASS	N/A	P3 625 JACASS	N/A	P3 750 JACASS	N/A	P3 875 JACASS
Other options available							
Riser flame Rated	Yes	No	Yes	No	No	No	No
Alternative jacket	Yes	No	Yes	No	Yes	No	Yes
Tracer Stripe*	Yes	Yes	Yes	No	Yes	Yes	Yes
*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: P3 500 JCAT R 0.500" diameter, aerial standard cable with red stripe P3 625 JCAT O M109 0.625" diameter, messenger cable with orange stripe P3 750 JCASST W 0.750" diameter, underground cable with white stripe						

Quantum Reach® (QR®) coaxial cables

Specifications	
Cable type	Hardline
Network applications	Trunk, Distribution
Impedance	75 Ohm
Advanced Coring Technology	Yes

Specifications	
Center conductor	Copper-clad aluminum
Outer conductor	Aluminum
Dielectric material	Foam PE
Cable construction	Welded aluminum shield

Cable Construction



Ordering Information

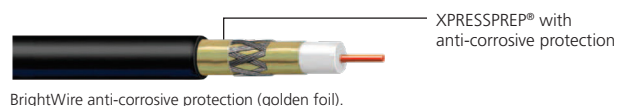
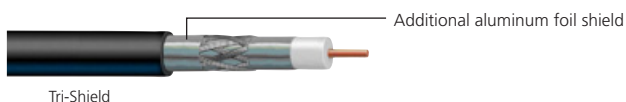
Model	QR 540	QR 715	QR 860
Diameter over shield (inches)	0.540"	0.715"	0.860"
Aerial			
Standard	QR 540 JCA	QR 715 JCA	QR 860 JCA
Flooded	QR 540 JCASP	QR 715 JCASP	QR 860 JCASP
Messenger wire (diameter)			
0.109"	QR 540 JCAM109	N/A	N/A
0.188"	N/A	QR 715 JCAM188	QR 860 JCAM188
0.250"	N/A	QR 715 JCAM250	N/A
Underground buried			
	QR 540 JCASS	QR 715 JCASS	QR 860 JCASS
Steel armor (chrome plated)			
	QR 540 JACASS	QR 715 JACASS	QR 860 JACASS
Other options available			
Riser flame Rated	Yes	No	No
Alternative jacket	Yes	Yes	Yes
Tracer Stripe*	Yes	Yes	Yes
*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 JCASST Y 0.540" diameter, underground cable with yellow stripe		

XPRESSPREP® coaxial cables

Specifications	
Cable type	Drop
Network applications	Indoor/Outdoor
Impedance	75 Ohm

Specifications	
Center conductor	Copper-clad aluminum
Outer conductor	Aluminum
Dielectric material	Foam PE (Gas Expanded Polyethylene)
Cable construction	Braid

Cable Construction



Ordering Information for XPRESSPREP® aluminum foil shielded cable

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

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

Part Number	Braid	Shield	Jacket	Other
Series 6				
F677TSVV BW XP	77%	Tri-Shield	PVC	NEC CATV (V-Tray Jacket)
F677TSVM BW XP	77%	Tri-Shield	PVC	Messenger cable
Series 11				
F1177TSVV BW XP	77%	Tri-Shield	PVC	NEC CATV (V-Tray Jacket)
F1177TSVM BW XP	77%	Tri-Shield	PVC	Messenger cable

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com

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