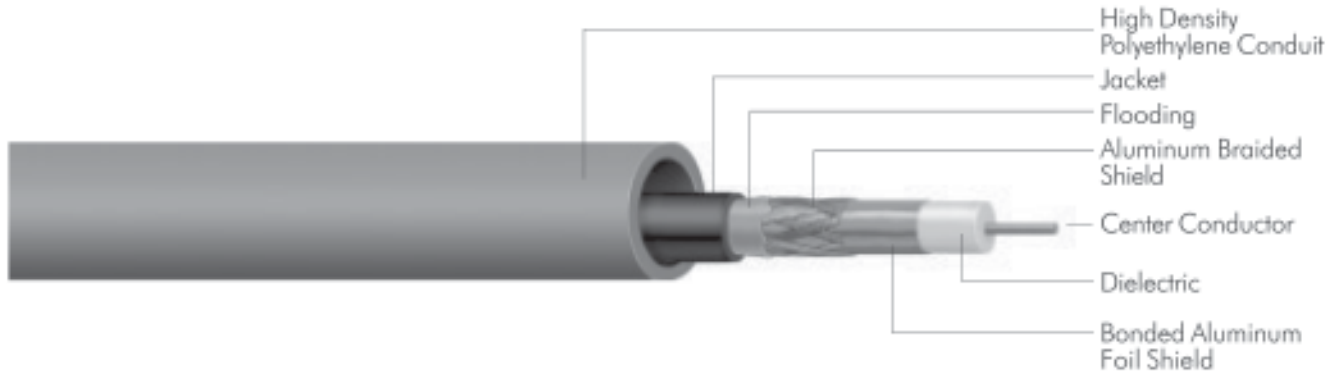


Drop Cable

Standard Construction (with Flooding) Shown



CommScope Drop-In-Duct is a complete family of products serving a number of applications. All drop cable products are available in a variety of sizes (59, 6, 7, 11) and configurations (standard, tri-shield and supershield).

Size	Wall Thickness	Wall Rating	Max. Number of Cables				Std. Length (ft)	Reel Size (FDT) (in)
			F59 Series	F6 Series	F7 Series	F11 Series		
13mm	SDR11	Heavy	1	1	0	0	1,000	21 x 12 x 18
1/2"	SDR 13.5	Medium	1	1	1	0	1,000	35 x 16½ x 18
	SDR 11	Heavy	1	1	1	0	1,000	35 x 16½ x 18
3/4"	SDR 13.5	Medium	2	2	1	1	1,000	42 x 24 x 24
	SDR 11	Heavy	2	2	1	1	1,000	42 x 24 x 24
	SCH 40	X-Heavy	2	2	1	1	1,000	42 x 24 x 24
1"	SDR 13.5	Medium	3	3	2	2	1,000	50 x 24 x 24
	SDR 11	Heavy	3	3	2	2	1,000	50 x 24 x 24
	SCH 40	X-Heavy	3	3	2	2	1,000	50 x 24 x 24

Size

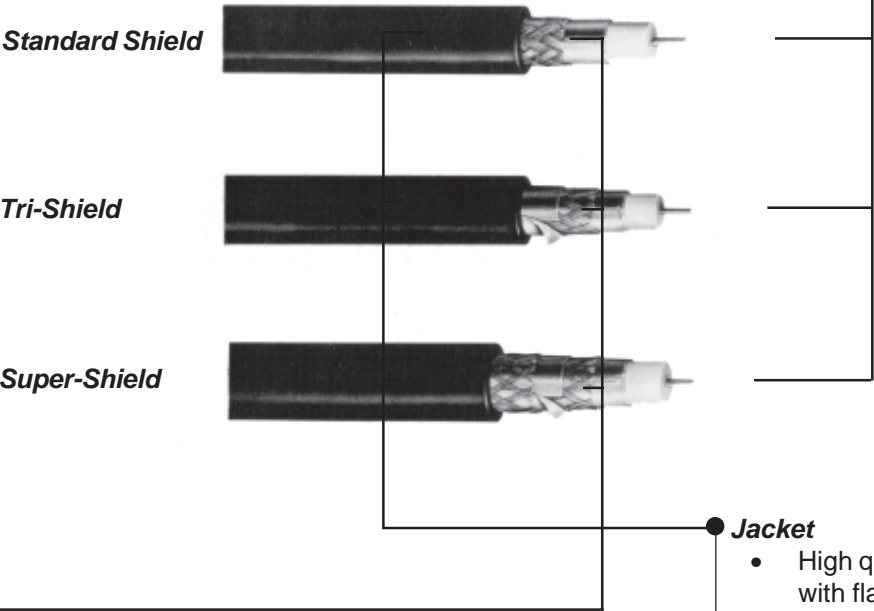
Attenuation is primarily a function of cable size. Basic products are available in the two most widely used sizes, 6 and 11. 6 series cable will meet most of your needs. For longer drops, choose 11 due to the lower attenuation values. Basic products feature copper clad steel center conductor and foam polyethylene dielectric.

Attenuation (@68° F (20 C))

Frequency (MHz)	6 Series		11 Series	
	dB/100 ft	dB/100 m	dB/100 ft	dB/100 m
55	1.6	5.25	0.96	3.15
450	4.4	14.44	2.75	9.02
750	5.65	18.54	3.65	11.98
1000	6.55	21.49	4.35	14.27

Other Electrical and Mechanical Characteristics

Impedance: 75 ohms – Velocity of Propagation: 85%



Shielding

The minimum recommended shielding for drop cable is an inner shield of aluminum-polypropylene-aluminum laminated tape bonded to the dielectric and a 60 percent braid of 34 AWG bare aluminum braid wire. This level of shielding is adequate for most of your applications and meets SCTE requirements.

Additional shielding is available to provide greater protection against signal ingress and egress.

All Basic Products are available in 4 shielding options:

Good Bonded tape + 60 % braid

Better Bonded tape + 77 % braid
+ 60 % braid + non-bonded tape (Tri-Shield)

Best Bonded tape + 60 % braid + non-bonded tape +40 % braid (Super-Shield)

Jacket

- High quality PVC with flame retardant jacket for indoor applications.
- PVC jacket for outdoor aerial applications.
- PE jacket for underground applications to resist abrasion and cuts

Drop Catalog Catalog Number Key

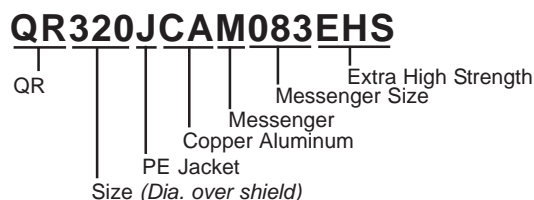
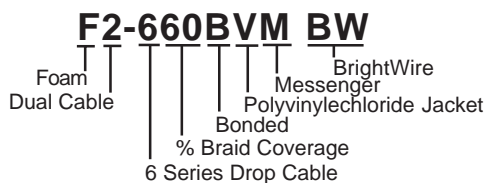
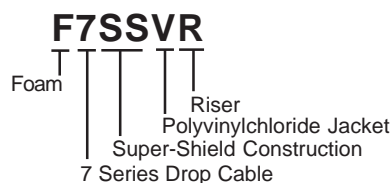
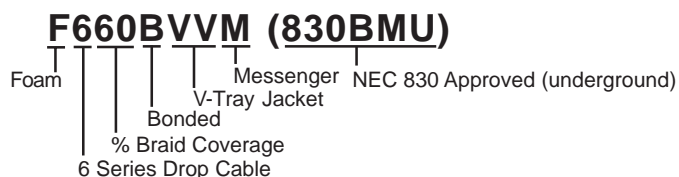
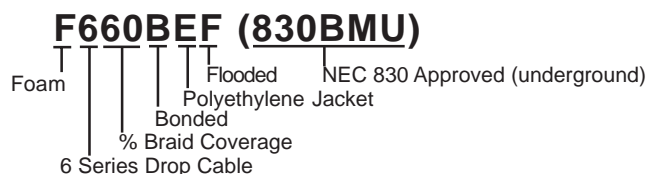
Steps to Build the Catalog Number for the Cable You Need

Prefix

- For 59, 6, 7 and 11 Series
F = Gas Expanded Polyethylene Dielectric Foam
2 = Dual Cable
59, 6, 7, 11 = Drop Cable Series
- For QR 320 Drop Only
QR®=Quantum Reach Cable Series

Suffix

- For 59, 6, 7 and 11 Series
First 2 = Percentage of Braid digits Coverage (e.g. 53, 60, 67, 90, 95)
B = Bonded Foil
E = Polyethylene Jacket
V = Polyvinylchloride Jacket
M = Messenger
F = Flooded
SS = Super-Shield
TS = Tri-Shield
BW = BrightWire®
APD = Amorphous Polypropylene Drop
V = NEC CATV
R = NEC CATVR
CMH = CSA Flame Test FT-1
CMG = CSA Flame Test FT-4
830BM = Meets NEC Article 830 Aerial Requirements
830BMU = Meets NEC Article 830 Underground Requirements
- For QR 320 Drop Only
J = Jacketed
CA = Copper Aluminum (Copperclad)
M = Messenger
083 = Size of Messenger (also available in 109)
EHS = Extra High Strength



Construction Diagrams

