Product Descriptions

Catalog Number	Description	Cable Wt.		Shipping Wt.	
		lbs/kft	kg/km	lbs/kft	kg/km
Bonded Foil Standard Construction - 67% Braid *(95% Braid also available)*					
F5967BV	Bonded tape, 67% braid, PVC jacket	24	36	28	42
F5967BVV	Bonded tape, 67% braid, PVC jacket, meets NEC Article 820 V Rating (ETL listed)	24	36	28	42
F5967BVM *(BrightWire)*	Bonded tape, 67% braid, PVC jacket .051 inch messenger	36	54	43	43
F5967EF	Bonded tape, 67% braid, flooded for underground, PE jacket	20	30	24	24
F2-5967BVV	Dual cable, bonded tape, 67%, flame retardant PVC jacket, meets NEC Article 820 V Rating (ETL listed)	47	70	54	54
F2-5967BVV	Dual cable, bonded tape, 67% braid, flooded for underground, PE jacket	36	54	40	40
F2-5967BVM	Dual cable, bonded tape, 67% braid, PVC jacket, .072 inch messenger	64	95	71	71
Bonded Foil Tri-Shield Construction - 67% Braid					
F59TSV	Bonded tape, 67% braid, non-bonded tape, PVC jacket	22	33	28	42
F59TSVV	Bonded tape, 67% braid, non-bonded tape, flame retardant PVC jacket, meets NEC Article 820 V Rating (ETL listed)	22	33	28	42
F59TSVM *(BrightWire)*	Bonded tape, 67% braid, non-braided tape, PVC jacket, .051 inch messenger	33	49	43	43
F59TSEF	Bonded tape, 67% braid, non-bonded tape, flooded for underground, PE jacket	19	28	24	24
F2-59TSVV	Dual cable, bonded tape, 67% braid, non-bonded tape, flame retardant PVC jacket, (ETL listed)	44	65	54	54
F2-59TSEF	Dual cable, bonded tape, 67% braid, non-bonded tape, flooded for underground, PE jacket	39	58	40	40
F2-59TSVM	Dual cable, bonded tape, 67% braid, non-bonded tape, PVC jacket, .072 inch messenger	63	94	71	71
Bonded Foil Quad-Shield Construction - 53% + 35% Braid					
F59SSV	Bonded tape, 53% braid, non-bonded tape, 35% braid PVC jacket	29	43	34	51
F59SSVV	Bonded tape, 53% braid, non-bonded tape, 35% braid, flame retardant PVC jacket, meets NEC Article 820 V Rating (ETLlisted)	29	43	34	51
F59SSVM *(BrightWire)*	Bonded tape,53% braid, non-bonded tape, 35% braid, PVC jacket .051 inch messenger	41	61	47	70
F59SSEF	Bonded tape,53% braid, non-bonded tape, flooded for underground, PE jacket	23	34	28	42
F2-59SSVV	Dual cable, bonded tape, 53%, non-bonded tape, 35% briad, flame retardant PVC jacket, meets NEC Article 820 V Rating (ETL listed)	57	85	68	101
F2-59SSEF	Dual cable,53% braid, non-bonded tape, flooded for underground, PE jacket	46	68	53	79
F2-59SSVM	Dual cable, bonded tape, 53% braid, non-bonded tape, 35% braid, PVC jacket, .072 inch messenger	73	109	87	129

Size

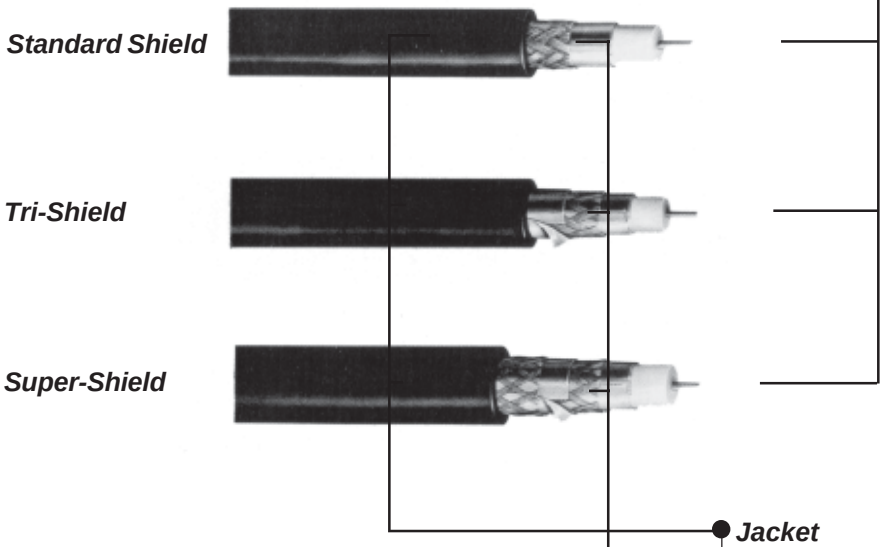
Attenuation is primarily a function of cable size. Basic products are available in the two most widely used sizes, 6 and 11. 6 series cable will meet most of your needs. For longer drops, choose 11 due to the lower attenuation values. Basic products feature copper clad steel center conductor and foam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

Attenuation (@68° F (20 C))

Frequency (MHz)	6 Series		11 Series	
	dB/100 ft	d/B/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%



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

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)

CommScope®

Drop Catalog Catalog Number Key

Steps to Build the Catalog Number for the Cable You Need

Prefix

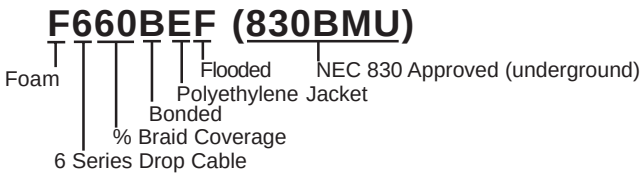
- *For 59, 6, 7 and 11 Series*
  F = Gas Expanded Polyethylene Dielectric Foam
  2 = Dual Cable
  59, 6, 7, 11 = Drop Cable Series

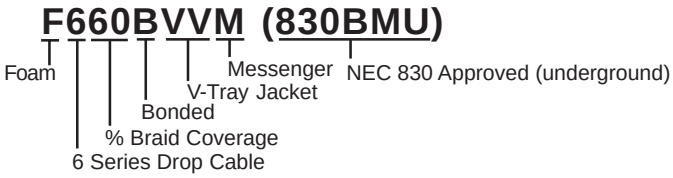
- *For QR 320 Drop Only*
  QR®=Quantum Reach Cable Series

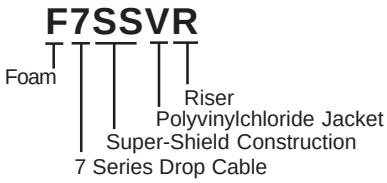
Suffix

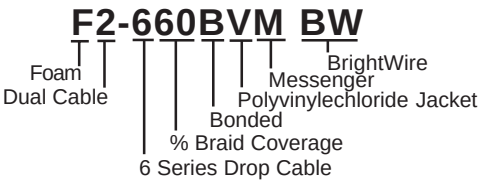
- *For 59, 6, 7 and 11 Series*
  First 2 = Percentage of Braid digits Coverage (e.g. 53, 60, 67, 90, 95)
  B = Bonded Foil
  E = Polyethylene Jacket
  V = Polyvinylchloride Jacket
  M = Messenger
  F = Flooded
  SS = Super-Shield
  TS = Tri-Shield
  BW = BrightWire®
  APD = Amorphous Polypropylene Drop
  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

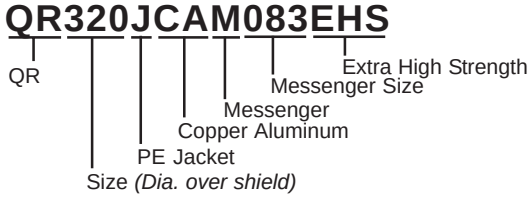
- *For QR 320 Drop Only*
  J = Jacketed
  CA = Copper Aluminum *(Copperclad)*
  M = Messenger
  083 = Size of Messenger *(also available in 109)*
  EHS = Extra High Strength





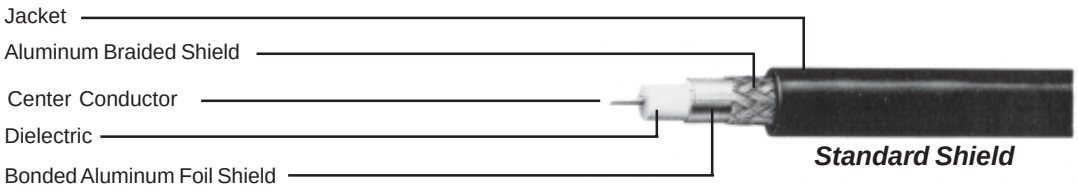




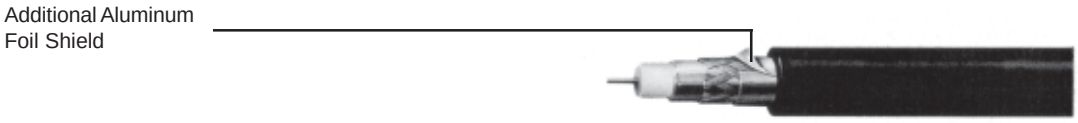


CommScope®

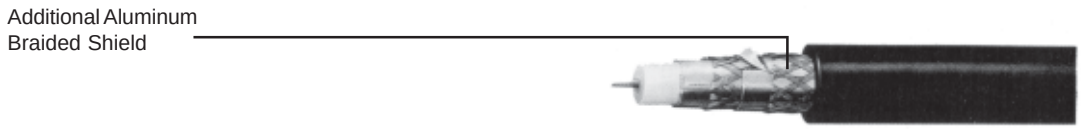
Construction Diagrams



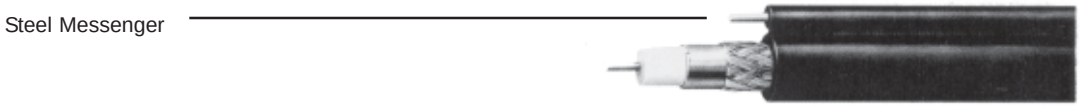
Standard Shield



Tri-Shield

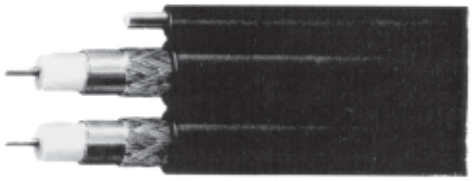


Super-Shield



Messengered

Dual



Dual Messengered

CommScope®

Product Specifications

Standard Construction

- 20 gauge [0.032 in. (0.81 mm)] copper covered steel center conductor
- Gas expanded polyethylene dielectric;
- Inner shield aluminum-polypropylene-aluminum laminated tape with overlap bonded to dielectric;
- Outer shield of 34 AWG bare aluminum braid wire;
- Jacket of black polyvinylchloride or polyethylene (flooded)
- Nominal O.D. 0.240 in. (6.10 mm).

Physical Dimensions

Component	Std. Shield		Tri-Shield		Super-Shield	
	in	mm	in	mm	in	mm
Nominal Center Conductor Diameter	0.032	0.81	0.032	0.81	0.032	0.81
Nominal Diameter Over Dielectric	0.144	3.66	0.144	3.66	0.144	3.66
Nominal Diameter Over First Shield (Tape)	0.151	3.84	0.151	3.84	0.151	3.84
Nominal Diameter Over Jacket	0.240	6.10	0.240	6.10	0.265	6.73
Nominal Jacket Wall Thickness	0.032	0.81	0.032	0.81	0.034	0.86
Nominal Diameter of Steel Messenger (Single)	0.051	1.30	0.051	1.30	0.051	1.30
(Dual)	0.072	1.83	0.072	1.83	0.072	1.83

Mechanical Characteristics

Minimum Breaking	0.051	180 lbs	82 kg_f
Strength of Messenger	0.072	365 lbs	166 kg_f

Electrical Characteristics

Nominal Impedance	75 Ohms
Nominal Velocity of Propagation	85%

Attenuation (@68? F (20 C))

Frequency (MHz)	Max. (dB/100 ft)	Max. (dB/100 m)
5	0.86	2.82
55	2.05	6.73
83	2.45	8.04
187	3.60	11.81
211	3.80	12.47
250	4.10	13.45
300	4.45	14.60
350	4.80	15.75
400	5.10	16.73
450	5.40	17.72
500	5.70	18.70
550	5.95	19.52
600	6.20	20.34
750	6.97	22.87
865	7.52	24.67
1000	8.12	26.64

Corrosion Resistance

Many products are available with a choice of two corrosion resistant treatments. Contact our Customer Service Department for specific information.

- **BrightWire®** is a dry, anti-corrosive treatment that chemically combines with metal components to form a protective shield against water and subsequent corrosion. (Exceeds the SCTE requirement for corrosion resistant cable.) BrightWire treatment is available on all PVC jacket products and can be recognized by its gold colored tape.

- **APD**® is a non-flowing, amorphous polypropylene flooding compound.

Specify BrightWire or APD when ordering product:

- **F5967BV-BW** (BrightWire® anti-corrosive treatment)
- **F5967BV-APD** (APD anti-corrosive treatment)

CommScope®