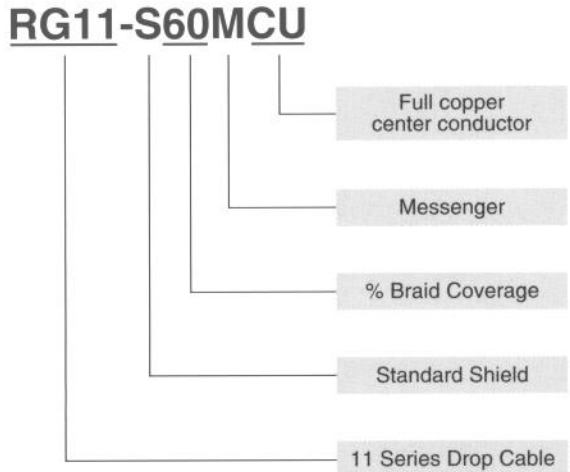
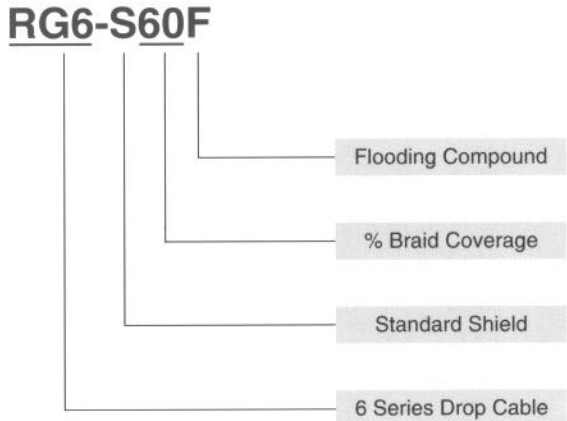


**Brief Introduction**

Teletronik RG series coaxial cable was developed to meet the increasing demand of tomorrow's broadband networks. RG series cable has the highest reliability and flexibility of any coaxial cable, low RF attenuation and an unprecedented 10 year warranty. RG series is optimized for use in broadband feeder plants. It offers lower attenuation than other traditional products, with unmatched flexibility, reliability and cost effectiveness.

**Explanation of Codes**



Suffix	
<b>S</b>	= Standard
<b>T</b>	= Tri-shield
<b>Q</b>	= Quad-shield
<b>F</b>	= Flooding Compound
<b>M</b>	= Messenger
<b>H</b>	= Home cable
<b>CU</b>	= Full copper inner conductor

**Specifications**

**Physical Dimensions**

Component	Standard Shield		Tri-Shield		Quad-Shield	
	Inches	mm	Inches	mm	Inches	mm
Nominal Center Conductor Diameter	0.040	1.02	0.040	1.02	0.040	1.02
Nominal Diameter Over Dielectric	0.180	4.57	0.180	4.57	0.180	4.57
Nominal Diameter Over First Shield (Tape)	0.187	4.75	0.187	4.75	0.187	4.75
Nominal Diameter Over Jacket	0.272	6.91	0.278	7.06	0.300	7.62
Nominal Jacket Wall Thickness	0.030	0.76	0.030	0.76	0.034	0.86
Nominal Diameter of Steel Messenger	0.051 (single)	1.30	0.051 (single)	1.30	0.051 (single)	1.30
	0.072 (dual)	1.83	0.072 (dual)	1.83	0.072 (dual)	1.83

**Mechanical Characteristics**

Minimum Breaking	0.051	180 lbs.	82kg,
Strength of Messenger	0.072	365 lbs.	166kg,

**Electrical Characteristics**

Nominal Impedance	75 Ohms
Nominal Velocity of Propagation	85%
Shielding Effectiveness	>100dB

**Standard Construction**

18 gauge [0.040 in. (1.02mm)] copper or copper covered steel center conductor;  
 gas expanded polyethylene dielectric;  
 inner shield aluminium-polypropylene-aluminium laminated tape with overlap bonded to dielectric;  
 outer shield of 34 AWG bare aluminium braid wire;  
 jacket of black polyvinylchloride or polyethylene (flooded).  
 Nominal O.D. 0.272in. (6.91mm)

**Attenuation [ @ 68°F. (20°C) ]**

Frequency (MHz)	Maximum (dB/100ft.)	Maximum (dB/100m)
5	0.58	1.90
55	1.60	5.25
83	1.95	6.40
187	2.85	9.35
211	3.05	10.00
250	3.30	10.82
300	3.55	11.64
350	3.85	12.63
400	4.15	13.61
450	4.40	14.43
500	4.66	15.09
550	4.90	16.08
600	5.10	16.73
750	5.65	18.54
865	6.10	20.01
1000	6.55	21.49