



# RG6 TRIPLE+MESSEGER

## RG-6 Tri-shield with Ground wire (17 AWG) or Messenger (0.051"/1.30mm)



Conductor	Dielectric	Shields	Cable dimensions, Jacket	Nominal Impedance	Nominal Capacitance	Nominal Vel./ Prop.	Freq. (Mhz)	Attenuation (dB/100ft)
18AWG 1.02mm CCS or Bare Copper	4.57mm Foam PE	Foil:Al (bonded) Braid:Al 60% Foil:Al (Al-PET-Al)	7.06+2.8mm General PVC Flame retardant	75 ± 3 Ω	16.3pF/ft 53pF/m	85%	83 250 300 500 865 1000 1350 1750 2050	1.95 3.30 3.55 4.66 6.10 6.55 8.26 9.50 10.70

### INNER CONDUCTOR

Material: Copper Clad Steel or Bare Copper

Diameter: 1.02mm

### DIELECTRIC CORE

Material: Physical Foamed PE

Diameter: 4.57mm

### BRAID

Material: Tinned Copper, Bare Copper or Al Alloy

Form: 16 × 5 × 0.16mm (Coverage: 70%)

16 × 6 × 0.16mm (Coverage: 80%)

16 × 7 × 0.16mm (Coverage: 90%)

16 × 8 × 0.16mm (Coverage: 95%)

NOMINAL ATTENUATION		
Frequency(MHz)	Max value(dB /100feet)	Max value(dB /100m)
5	0.58	1.80
50	1.45	4.70
55	1.60	5.25
83	1.95	6.40
200	2.90	9.50
211	3.05	10.00
300	3.54	11.60
400	4.15	13.60
450	4.39	14.40
500	4.66	15.30
550	4.90	16.08
600	5.10	16.73
750	5.65	18.54
800	5.77	18.90
865	6.10	20.00
1000	6.55	21.49
1350	8.26	26.40
1750	9.50	31.15
2050	10.70	32.80

### FOIL

Material: Aluminum/Pet/Aluminum

Breadth: 18mm

Thickness: 15/12/15μ

Coverage: >110%

### JACKET

Material: PVC (white or black) – PE (black)

Diameter: >6.9mm

### IMPEDANCE

75 Ohm ± 2 Ohm

### NOMINAL CAPACITANCE

51.2 pF/m ± 2 pF/m

### VELOCITY RATIO

85%

### SCREENING EFFICIENCY

100-900MHz > 85dB



**MESSENGER:**

Diameter: 1.30mm steel or 1.80mm steel

Minimum breaking strength: 180lbs. (82kg)

**PACKAGE:**

305m or 500m wood drum or plastic drum + carton



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