

# WIREFATH

## BULK WIRE

### SP-RG6Q-SC-1000-XXX

18AWG, RG6Q Solid Copper, CMG

#### Features

- CMG Rated RG6 Quad Shielded Coax Cable
- Solid bare copper conductor

#### Application

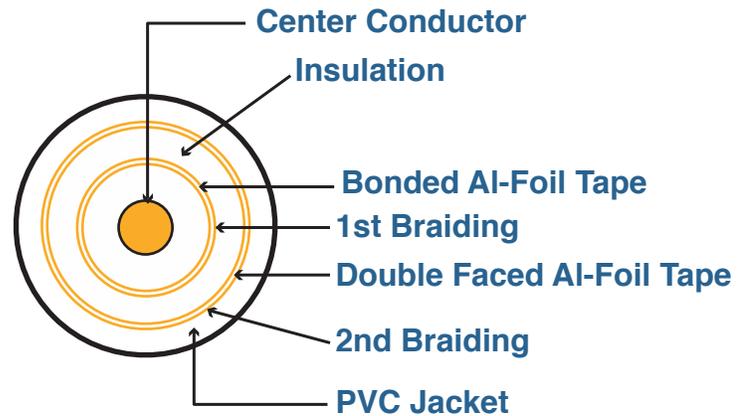
- Satellite Installations
- CATV and HDTV
- Communications Circuits

#### Flame Test

- C(UL) Flame Test FT4

#### Applicable Standards

- NEC/(UL) Specifications CMG
- NEC Articles 800
- CEC/(UL) Specifications CMG



#### Usage & Environmental Condition

Usage & Environmental Condition		
Temperature Range	Storage & shipping	-20°C to 75°C
	Installation	0°C to 60°C
	Operation	75°C

Material and Construction		
Construction	Conductor	Center Conductor Solid Bare Copper
	AWG	18
	Diameter	1.02mm
Insulation	Material	Foam PE (Polyethylene)
	Thickness (mm)	1.78mm
	Insulation Diameter (mm)	4.57 +/- 0.08mm
	Color	According to customer
Shielding	Bonded AL-Mylar Shield	≥ 25%
	1st Braiding	Aluminium Wire (60% Coverage)
	Construction	16*5/0.12mm
	Double Faced AL-Mylar Shield	≥ 25%
	2nd Braiding	Aluminium Wire (40% Coverage)
	Construction	16*4/0.12mm
Jacket	Material	PVC (Polyvinyl Chloride)
	Nominal	0.90mm +/- 0.15
	Minimum Thickness(mm)	0.750mm
	Cable Dia. (mm)	7.25 +/- 0.2

Physical & Electrical Characteristics (at 20°C)	
Cable cold bend	-20°C for 4 hr
Impedence (ohms)	75 +/- 3Ω
Capacitance (PF/m)	54
Conditional DCR at 20° C (ohms/km)	≤119Ω
Velocity of propagation	≥82

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Electrical Performance Characteristics	
Frequency (MHz)	Attenuation (db/100m)
5	1.87
50	4.79
200	9.28
400	13.28
700	18.36
1000	21.61
1200	24.59
1800	28.98
2200	32.03
2500	36.47
3000	39.54