

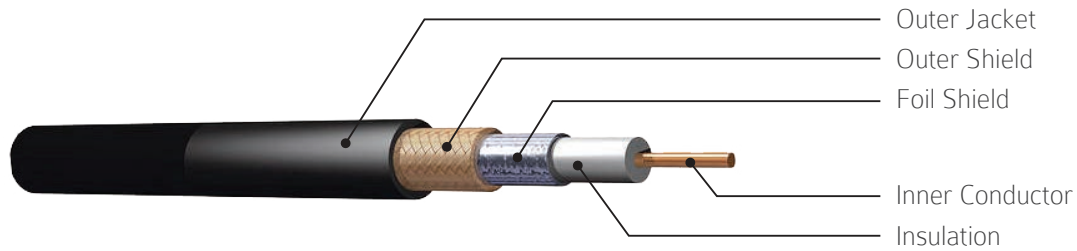


Coaxial Cable

RG6102PE 18AWG Outdoor Coax

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Cross Section



Description

RG6102PE 18AWG 75Ohm Coax.

- 18AWG solid stranding 1.016mm bare copper conductor
- Foam high density polyethylene insulation
- Foil & tinned copper braid shield (95% coverage)
- PVC jacket.

Mechanical Characteristics (Overall)

Operating Temperature Range	-30°C ~ +75°C
Non-UL Temperature Rating	60°C
Bulk Cable Weight	18.60kg/305m
Max. Recommended Pulling Tension	31.30kg
Min. Bend Radius/Minor Axis	69.85mm
Suitability	Indoor / Outdoor
Plenum	No

Physical Characteristics (Overall)

Inner Conductor	(BC) Bare Copper
AWG	18
Conductor Diameter	1.016mm
Stranding	Solid
Insulation	Hi-Density Polyethylene
Insulation Diameter	4.572mm
Outer Shield	(TC) Tinned Copper
Coverage	95%
	Aluminium Foil
Coverage	100%
Outer Jacket	PVC - Polyvinyl Chloride
Overall Cable	
Overall Nominal Diameter	6.96mm

Electrical Characteristics (Overall)

Dielectric Strength	1.0kV/min
Impedence	75ohm
SRL (dB, 0-300MHz)	>=20
Capacitance	53.1pF/m
Conductor DCR @ 20°C	<=102ohms/km
Velocity of Propagation	>=82%

Frequency		Attenuation
	(MHz)	(dB/100ft)
	5	0.58
	55	1.6
	211	3.05
	250	3.3
	400	4.15
	600	5.1
	750	5.65
	870	6.11
	1000	6.55
	1300	7.46
	1450	7.89
	1750	8.74
	2150	9.69
	2600	10.76
	2832	11.51
	3000	11.84