



Guardian TQ-600 Ultra Low-Loss Coaxial Cable



FEATURES

- For indoor/outdoor use
- Ultra Low Loss
- Spools Available in White or Black
- N-Male crimp connector (part # TQ-CN-16) available for purchase
- Weatherproof, heat shrunk and tested

The TQ-600 cable is ideal for connecting amplifiers with antennas. It can be used indoors or outdoors to connect to the antennas and amplifiers.

Drum dimensions: 550 x 270 x 500 x 18mm

Technical Specifications

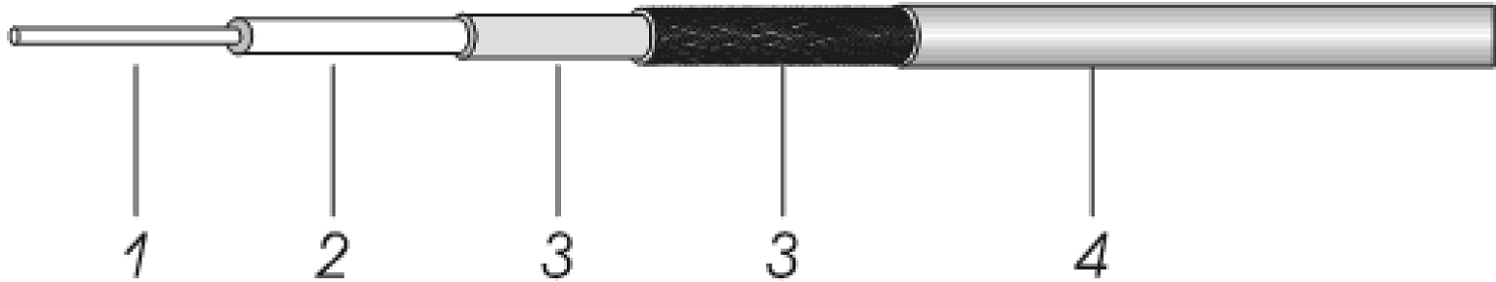
Conductor	Copper-clad aluminum
Conductor Diameter	4.47mm
Dielectric	Physical Foam Polyethylene
Dielectric Diameter	11.56mm
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid
Outer Conductor Diameter	12.50mm
Jacket	Black Polyethylene
Jacket Outer Diameter	11.49mm
Rated Temperature	-40°C to 85°C
Min. Bend Installation Radius	38.1 mm
Min. Bend Repeated Radius	152.4 mm

Electrical Specifications

Impedance	50 ohms
Capacitance	23.4 (pF/ft)
Velocity	87%
Inner Conductor DC Resistance	<0.65 Ω @ /1000ft
Outer Conductor DC Resistance	<1.5 Ω @ /1000ft
Shielding Effectiveness	>90 dB
Jacket Spark	5000 VAC
Cutoff Frequency	10.3 GHz
Peak Power	40 kW
Return Loss	≤-18 dB @ 0.03~3000MHz,



TOWERIQTM
SIGNAL WHERE IT MATTERS



Cable Diagram

1	Inner Conductor
2	Dielectric
3	Outer Conductor
4	Jacket

Attenuation (20°C) and Avg. Power (40°C)

Frequency (MHz)	Typical Attenuation (dB/100ft)	Max Attenuation (dB/100ft)	Avg. Power(KW).
150	1.0	1.1	2.16
220	1.2	1.3	1.77
450	1.7	1.9	1.23
700	2.18	2.45	0.95
750	2.26	2.55	0.92
800	2.35	2.63	0.88
900	2.5	2.7	0.84
1500	3.3	3.7	0.63
1800	3.7	4.1	0.57
2000	3.9	4.3	0.54
2500	4.4	4.9	0.48
5800	7.3	8.2	0.29
6000	7.45	8.91	0.28

Ordering Information

Model	Description	Stock No.
TQ-006-500	500 ft Ultra Low Loss Coax Cable - Black (no conn)	3996020
TQ-006-1000	1000 ft Ultra Low Loss Coax Cable - Black (no conn)	3996019