



# Guardian TQ-PL Plenum Cable



## FEATURES

- For indoor use only
- Ultra Low Loss
- RoHS Compliant
- N-Male crimp connector (part # TQ-CN-099) available for purchase

TowerIQ's Plenum-rated TQ-400 cable is insulated with low smoke and low flame characteristics. Almost all large buildings utilize the ceiling for returning air to the AC unit, thereby making it a plenum ceiling. This means all cables running through the ceiling need to be plenum rated.

## Technical Specifications

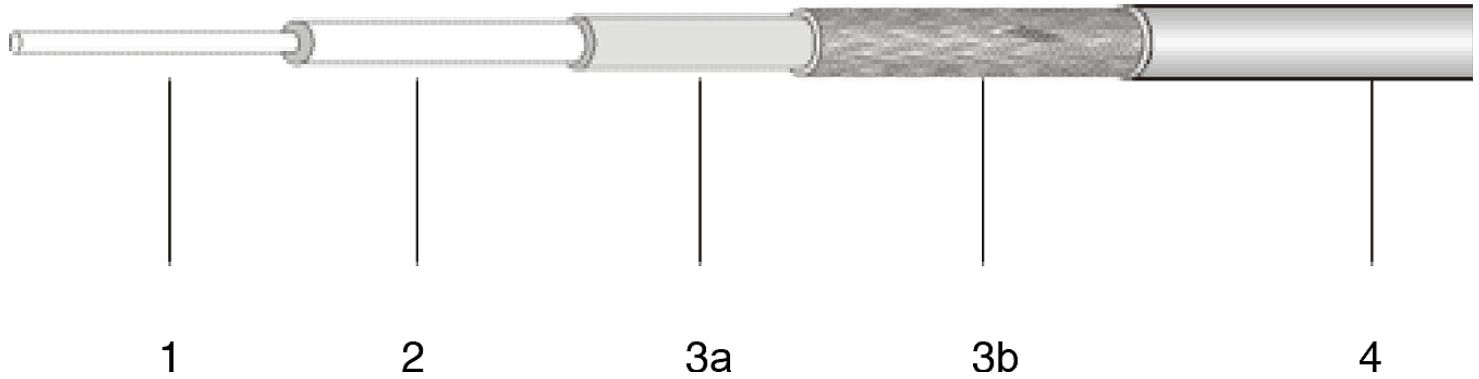
Conductor	Copper-clad aluminum
Conductor Diameter	2.74mm
Dielectric	Foam PE
Dielectric Diameter	7.24mm
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid
Outer Conductor Diameter	8.13mm
Jacket	FRPE
Jacket Outer Diameter	8.93mm
Rated Temperature	-40°C to 60°C
Min. Bend Installation Radius	45 mm
Min. Bend Repeated Radius	65 mm

## Electrical Specifications

Impedance	50 ohms
Capacitance	78 (pF/ft)
Velocity	87%
Dielectric constant	1.73
Voltage Withstand	2500 VDC
Shielding Effectiveness	>90 dB
Jacket Spark	8000 VAC



**TOWERIQ**<sup>TM</sup>  
SIGNAL WHERE IT MATTERS



### Cable Diagram

1	Inner Conductor
2	Dielectric
3a	Outer Conductor Aluminum Foil
3b	Outer Conductor Tinned Copper Braid
4	Jacket

### Attenuation (20°C)

Frequency (MHz)	Typical Attenuation (dB/100ft)
700	3.5
800	3.8
900	4
1900	5.9
2100	6.2
2500	6.8

### Ordering Information

Model	Description	Stock No.
TQ-PL-30FT	30' TQ-400 Ultra Low Loss Coax, Plenum Rated w/N-Male conn. Orange	3996021
TQ-PL-75FT	75' TQ-400 Ultra Low Loss Coax, Plenum Rated w/N-Male conn. Orange	3996022
TQ-PL-500	500' Plenum Cable	3996114
TQ-PL-1000FT	1000' TQ-400 Ultra Low Loss Coax Plenum Rated. Orange (no conn)	3996023
TQ-PL-HALF-1000	1000' 1/2" Plenum Cable	3996109
TQ-PL-HALF-A-1000	1000' 1/2" Armored 1/2" Plenum Cable	3996110