Wilson ½ Inch Coaxial Cable

Foam Dielectric

SKU: 952006

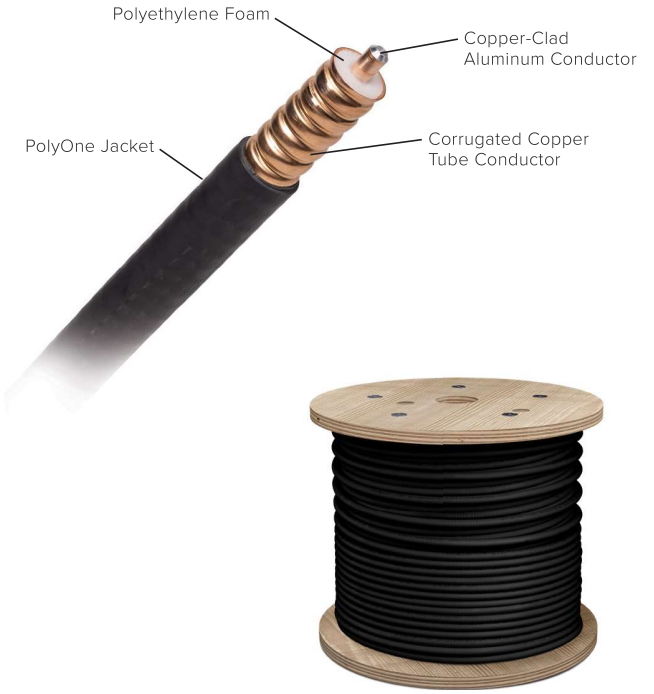
500 ft. Spool

DESCRIPTION

This cable is designed for use with WilsonPro cellular repeaters. The cable has a corrugated copper outer conductor that allows the cable to be run throughout buildings without kinking. This high efficiency cable allows transmission from antennas to a repeater with low signal attenuation. The cable can be used in buildings where plenum cable is not a requirement.

FEATURES

- Low attenuation
- High efficiency signal transfer
- Can be terminated with ½ inch air dielectric connectors and tools



952006 500 ft. of Wilson ½ Coaxial Cable shown

Specifications

Mechanical

Dielectric Insulation	Polyethylene Foam
Center Conductor Material	Copper Clad Aluminum
Outer Conductor	Corrugated Aluminum Tube
Jacker Material	PolyOne
Operating Temperature (°F / °C)	-40 F°~ +140 F°
Weight (lbs. / kg)	100 / 45
Cable dia. (in / mm)	.50 / 12
Inner Conductor dia. (in / mm)	.19 / 4.8
Outer Conductor dia. (in / mm)	.54 / 13.8
Jacket (in / mm)	.63 / 16.0
Min. Bend Radius (in / mm)	5.0 / 127
Tensil Strength (N)	1130
Spool Size (L x W x H in.)	22 x 15.75 x 22
Spool Weight (lbs.)	100.3

Electrical

Impedance	50 Ω Nom
Max frequency	8.8 GHz
Velocity	88% Nom
Peak Power Rating	40.0 KW
Insulation Resistance	10000 MΩ km
Capacitance	3.93 dB
Loss @ 3000 MHz 100 ft / 30 m	76 pF/m Nom

Attenuation

600 MHz	1.66 dB/100ft.	320-480 MHz	≤1.10 VSWR
800 MHz	2.20 dB/100ft.	820-960 MHz	≤1.10 VSWR
900 MHz	2.34 dB/100ft.	1700-1880 MHz	≤1.10 VSWR
1800 MHz	3.42 dB/100ft.	1880-2700 MHz	≤1.15 VSWR
2200 MHz	3.82 dB/100ft.	2700-3000 MHz	≤1.15 VSWR
2500 MHz	4.10 dB/100ft.	3000-4000 MHz	≤1.20 VSWR
3000 MHz	4.02 dB/100ft.	4000-6000 MHz	≤1.28 VSWR
4000 MHz	4.76 dB/100ft.		