

This specification describes a fluoropolymer 50 Ohm coaxial cable.

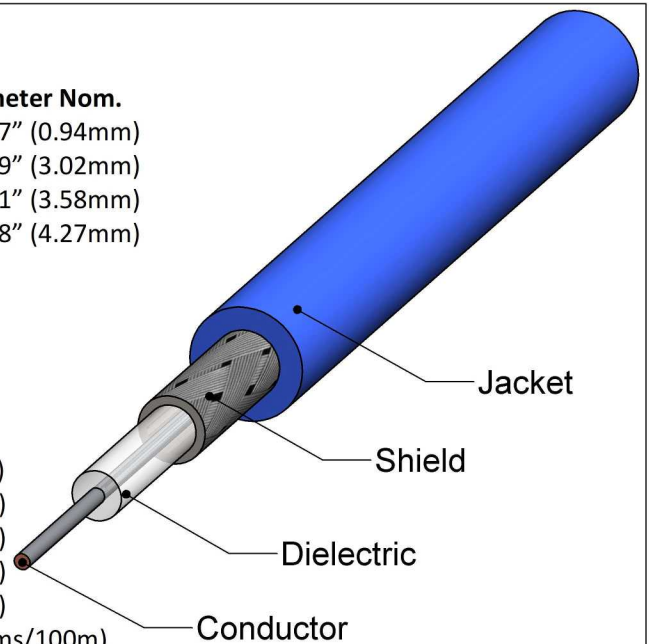
**Construction Details**

**Diameter Nom.**

Conductor	Solid silver plated copper	0.037" (0.94mm)
Dielectric	Polytetrafluoroethylene (PTFE)	0.119" (3.02mm)
Shield	Copper-tin composite shield – 100% Coverage	0.141" (3.58mm)
Jacket	FEP	0.168" (4.27mm)

**Properties**

Impedance	50 Ohms
Velocity of Propagation	69.5%
Capacitance	29.0 pF / ft. (95 pF/m)
Attenuation (nominal)	
@500 MHz	8.0 dB / 100 ft. (0.26 dB/m)
@1,000 MHz	12.0 dB / 100 ft. (0.39 dB/m)
@5,000 MHz	29.0 dB / 100 ft. (0.95 dB/m)
@10,000 MHz	45.0 dB / 100 ft. (1.48 dB/m)
@20,000 MHz	70.0 dB / 100 ft. (2.30 dB/m)
Conductor Resistance	7.8 Ohms / 1000 ft. (2.4 Ohms/100m)
Shield DC Resistance	5.5 Ohms / 1000 ft. (1.8 Ohms/100m)
Shield Effectiveness	-110 dB Max.
Bend Radius	5/8" Min. (16mm)
Weight	32 lb. / 1,000 ft. Max. (47 kg/1,000m)



**Notes**

1. This construction is RoHS compliant.

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Drawn By: Israel Girón Palacios	Date: 7/8/2020
Approved By: David Sarasohn	Date: 7/8/2020
Initial Release: 3/2/1999	

B	9/18/00	Changed Part Number from 670S-142XE	Description: 50 Ω Semi-flexible Coaxial Cable (RG 402 Type)
C	10/29/02	Revised OD and included metric	
D	01/09/12	Changed Part Number from 670S-141SXE	
E	7/8/20	Updated Template	
			Part Number: 670S-141XE
			Cage Code 12814