PTFE INSULATED COAXIAL CORE

DESCRIPTION

Markel precision extruded polytetrafluoroethylene (PTFE) insulated wire is supplied as a component to manufacturers of flexible and semi-rigid RF and microwave coaxial cables. Conductors can be stranded or solid, silver or nickel plated copper or copper clad steel. Dielectric constant values are tightly controlled to meet the requirements of each finished cable as specified by the cable producer.

Key Features

- Longer Lengths Available because of Large Extrusion Machines
- Superior Dimensional and Dielectric Performance Control vs. ePTFE Tape

Key Benefits

- Longer Lengths Mean Lower Scrap During Cable Manufacturing
- Higher Yields and More Electrically Stable Cable Constructions

Product Size Ranges

Size, AWG	Conductor Diameter (in/mm)		Dielectric Diameter Tolerance (in/mm)	Concentricity of Dielectric
32-28	0.0080/0..203 - 0.0126/0..320		0.001/0.025	76% min.
28-24	0.0126/0.320 - 0.0201/0..511		0.002/0.051	83% min.
24-18	0.0201/0.511 - 0.0403/1.024		0.002/0.051	90% min.
18-12	0.0403/1.024 - 0.0808/2.052		0.003/0.076	90% min.
12-9	0.0808/2.052 - 0.1144/2.906		0.005/0.127	90% min.
11 7/0.0314”	0.096/2.438		0.005/0.127	90% min.

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