

Litz Wire for High Voltage, High Frequency Applications

Extruded Teflon® over Litz wire permits outstanding conformability plus effortless stripping both mechanically and thermally. This exclusive jacket permits clean cuts, withstands practically all chemicals and solvents, and has a low coefficient of friction.

Teflon® Litz wire offers a massive amount of advantages in drawing, procedure and setting up.

DESIGN ADVANTAGES

Thermal:

- Max Operating Temperature: +200°C.
- Brittle Temperature: (ASTM D-476) - 80°C

Electrical:

It has outstanding dielectric properties, remarkably constant over a wide range of frequencies and environmental conditions.

- Dielectric Constant @ 1mHz: (ASTM D-150) 2.1
- Dissipation Factor @ 1mHz: (ASTM D-150) 0.0007
- Volume Resistivity ohm-cm: (ASTM D-257) $>2 \times 10^{18}$
- Dry Dielectric v/mil: (ASTM D-149) 1200

OPERATION ADVANTAGES

- Durometer Hardness: (ASTM D-2240) D59
- Tensile Strength PSI (min): (ASTM D-412) 2700 – 3100
- Elongation % (min): (ASTM D-412) 250 – 300
- Resistance to abrasion even at high temperatures.

INSTALLATION ADVANTAGES

- Flexibility and strength retained over a wide temperature range

Operating Frequency: 60 Hz to 3.0 Mc

Film Insulations: All NEMA recognized insulations are available.

Additional Insulations: PVC or Multi Layer Teflon®.

Colors Available: As required.

Wall Thickness: Minimum .005" (0.127 mm) / Max. .030" (0.762 mm).

Cable Diameters: Minimum .005" (0.152 mm) / Max. .300" (7.62 mm).