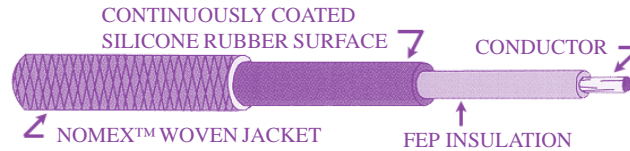




Silicone Coated FEP Cable

With Nomex™ Woven Protective Jacket



Silicone Coated FEP With Nomex Jacket

Silicone coated FEP is processed with a silicone rubber coating applied to the etched surface in the form of a thin wall. This continuous coating provides potting characteristics similar to silicone rubber cable and allows the user to achieve a superior dielectric bond when using silicone rubber potting or adhesives.

With the addition of a Nomex woven jacket over the silicone coated surface of the FEP insulation, the cable offers excellent abrasion resistance.

Silicone Coated FEP Cable with Nomex Jacket Attributes

| OPERATING VOLTAGE (KVDC) | CONDUCTOR | | PLATING | CONDUCTOR | Ø OVER SILICON COATING | PART NUMBER |
|--------------------------|-----------|---------|---------|-----------|------------------------|-------------|
| | AWG | STRANDS | | Ø IN./MM | IN./MM | |
| 12 | 16 | 19/29 | SPC | .056/1.43 | .095/2.41 | 178-5597 |
| 18 | 24 | 19/36 | SPC | .025/0.64 | .060/1.52 | 178-5789 |
| 20 | 22 | 19/34 | SPC | .031/0.80 | .070/1.78 | 178-5724 |
| 25 | 20 | 19/32 | SPC | .039/1.01 | .090/2.29 | 178-8881 |
| 30 | 20 | 19/32 | SPC | .039/1.01 | .110/2.79 | 178-9554 |

Note 1. Add .025 inch/0.63mm to diameter over silicone coated insulation to arrive at diameter over the Nomex jacket.

Note 2. To prevent fraying of the Nomex jacket, apply a small band of epoxy resin about 1 inch from the end of the Nomex jacket. Allow to cure and trim back the Nomex to the leading edge of the cured epoxy. Alternative methods are shrink sleeving or silicone rubber sleeving in place of the epoxy resin.

Note: Pre-conditioning of FEP wire or cable is recommended because FEP insulation will shrink when exposed to temperature cycling. Pre-conditioning should be conducted in an air circulating oven at 204°C (400°F) for one hour. Pre-conditioning should only be performed on cut lengths prior to stripping and any termination procedure. *No attempt should be made to condition wire or cable in bulk form or while spooled.*