

Okozel® Case Wire

600 Volt

Single Copper Conductor • 150°C Rating



A Stranded Bare Copper Conductor
 B Insulation—Okozel

Insulation

Okozel® is Okonite's trade name for ETFE (modified ethylene tetrafluoroethylene) fluoropolymer insulation. Okozel® is exceptionally rugged and offers outstanding resistance to cut-through and abrasion. It is chemically inert with low permeability and excellent resistance to a wide range of chemicals. Okozel® is flame-retardant and non-propagating. It is rated for a maximum continuous conductor operating temperature of 150°C (302°F) and retains its useful physical properties at temperatures as low as -100°C (-148°F).

Applications

Okozel® 600 Volt Case Wire is recommended for use as relay and associated signal apparatus wiring where continuous conductor operating temperatures up to 150°C are required, and where a flexible, extra-small-diameter wire is desired.

Specifications

Conductor: Stranded bare, uncoated copper conductors conforming to ASTM B-8. Tinned copper conductors conforming to ASTM B-33 are available upon request.

Insulation: Flame-retardant, radiation-resistant Okozel®, a modified ETFE fluoropolymer, conforming to NEMA Standard HP 100.2.

Product Features

- 150°C continuous operating temperature with a 250°C short-circuit temperature rating.
- Low surface friction for easier installation.
- Suitable for cold-weather installation at temperatures below -65°C.
- Exceptional abrasion resistance will not cut or tear.
- Chemically inert-unaffected by typical acids, bases, solvents, cleaning agents, fuels, and hydraulic fluids.
- High dielectric strength.
- Low dielectric constant.
- Special constructions qualified for Class 1E applications in nuclear power generating stations are available with a 90°C conductor operating temperature rating.

Catalog Number	Size AWG	No. of Strands	Insul. Thickness (mils)	Insul. Color	Approx. O.D. (In.)	Approx. Net Wt. Lbs./M'	Approx. Ship Wt. Lbs./M'
▲116-75-1948	16	19	15	White	.087	11	13
▲116-75-1941	14	19	15	Black	.104	16	18
▲116-75-1952	10	37	17	White	.154	39	44
▲116-75-1951	10	37	17	Black	.154	39	44

▲ Authorized Stock Item - Available from Customer Service Centers.

Note: The #14 and #10 AWG are UL Listed as Type Z in accordance with UL 83.

