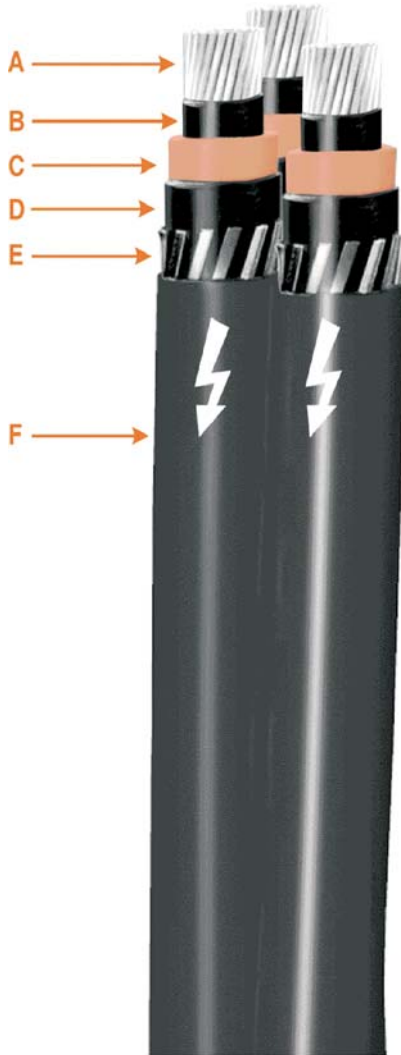




### Okoguard®

#### 15kV Reduced Diameter Duct Cables (Triplexed)

Okopact Copper Conductor/105°C Rating  
100% Insulation Level



- A Uncoated Okopact- (Compact Round) Copper Conductor
- B Strand Screen - Extruded Semiconducting EPR
- C Insulation - Okoguard EPR
- D Insulation Screen - Extruded Semiconducting EPR
- E Outer Conductor - Copper Straps
- F Encapsulating Jacket-Okolene and NESC lighting bolt.

#### Insulation

Okoguard is Okonite's registered trade name for its exclusive ethylene-propylene base, thermosetting compound, whose optimum balance of electrical and physical properties is unequalled in other solid dielectrics. The clean red color of Okoguard is the result of an evolutionary development in ethylene-propylene rubber compounding to gain greater dependability of the electrical characteristics.

Over the insulation, a semiconducting ethylene-propylene layer is extruded, providing an all EPR system.

Copper flat straps are uniformly spaced around the semiconducting insulation EPR screen. The specially formulated jacket provides protection against mechanical damage and corrosion.

#### Applications

Okoguard Reduced Diameter Duct Cables provide maximum ampacity in existing duct installations.

#### Specifications

**Central Conductor:** Annealed uncoated compact round copper ASTM B-496.

**Conductor Screen:** Extruded semiconducting ethylene-propylene rubber meets or exceeds the requirements of ICEA S-93-639/NEMA WC74, AEIC CS8, and CSA C68.5.

**Insulation:** Extruded Okoguard meets or exceeds the requirements of ICEA S-93-639/NEMA WC74, AEIC CS8, and CSA C68.5 for ethylene-propylene rubber.

**Insulation Screen:** Extruded semiconducting ethylene-propylene rubber meets or exceeds the physical re-

quirements of ICEA S-93-639/NEMA WC74, AEIC CS8, and CSA C68.5.

**Outer Conductor:** Uncoated Copper Flat Straps.

**Jacket:** Black Okolene meets or exceeds the requirements of ICEA S-93-639/NEMA WC74, AEIC CS8, and CSA C68.5.

Available with 5, 25, 35 and 69kV voltage ratings.

#### Product Features

- 105°C continuous operating temperature.
- 140°C emergency rating.
- 250°C short circuit rating.
- Reduced diameter construction.
- Excellent corona resistance.
- Low dielectric constant and power factor
- Clean stripping screens.
- Exceptional resistance to "treeing".
- Overall jacket provides extended life.
- Excellent resistance to most chemicals.
- Factory triplexed.
- AEIC Qualified.
- CSA C68.5 listed, LTGG (-40°C), SR.
- Can be listed by UL as Type MV-90 on special orders.
- Design options available.

# Okoguard

## 15kV Reduced Diameter Duct Cable

Copper Conductor/105°C Rating  
100% Insulation Level



# Product Data

## Section 2: Sheet 37

**Insulation-175 mils**  
**Jacket-50 mils nominal**

### Triplexed Cables

Catalog Number	Conductor Size (kcmil)	Nominal Dia. Over Insulation (in.)		Copper Straps No. x Width x Thick. (mils)	Nominal Triplexed O.D. (in.)	Approx Net Weight (lbs/1000')	Approx Ship Weight (lbs/1000')
141-23-2591	350	1.01	1.07	14 x 195 x 20	2.64	5274	5866
141-23-2594	500	1.13	1.21	14 x 200 x 20	2.93	6833	7595
141-23-2595	600	1.22	1.30	14 x 200 x 20	3.12	7960	8722
141-23-2597	750	1.31	1.39	12 x 250 x 20	3.32	9547	10332