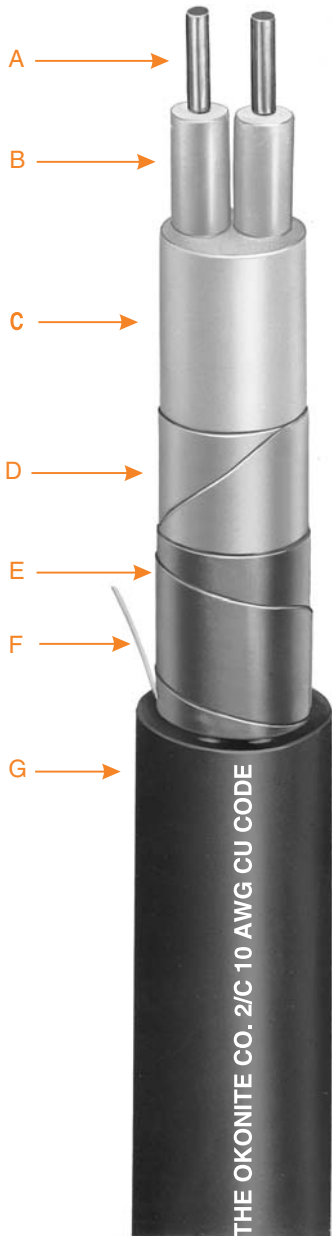




Centralized Traffic Control— Code Line Cable

With PCF (Pull Cord Feature) Aerial or Direct Burial

Two Copper Conductors



- A Uncoated, Solid Copper Conductors
- B Insulation — Okolene
- C Okolene Belt
- D Polyester Tape
- E 5 mil Copper Shield
- F Pull Cord Feature
- G Jacket — Okolene

Insulation

Okolene® is Okonite's trade name for its low loss polyethylene insulation. The two solid bare copper conductors are insulated with Okolene and twisted together to form a balanced pair. A belt of Okolene is then extruded over the twisted pair and into the interstices.

Shield and Jacket

A polyester tape, 5 mil flat copper tape and a 5/64" black Okolene jacket is applied over the belted core to complete the construction a twin coaxial cable configuration.

Applications

This C.T.C. cable is used on circuits where minimum attenuation and low capacity is essential. It is designed not only for code pulses but also provides for superimposed high frequency circuits. The cable is mechanically rugged and can be installed aerially or underground and is suitable for direct burial by means of a cable plow in all wet and dry locations.

Specifications

Conductors: Solid uncoated copper per ASTM B-3.

Insulation: The dielectric meets or exceeds electrical and physical requirements of ASTM D-1248-84, Type I, Class A, Category 5, Grade #5.

Jacket: Meets or exceeds requirements of ASTM D-1248-84, Class C, Type I, Grade J3 and AREMA Signal Manual Part 10.3.21.

Product Features

- Mechanically rugged.
- Resistant to aging.
- Easy to install and maintain.
- Resistant to environmental hazards.
- Superior moisture resistance.
- Outstanding termite protection.
- Excellent electrical properties...high dielectric strength, low capacity (SIC) and power factor and high insulation resistance.
- Pull Cord feature affords easy and quick accessibility to conductors for splicing and terminations. PCF is safety oriented.

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Product Data Section 7: Sheet 19

Okolene Insulation

Catalog Number	Size AWG	No. of Strands	No. Condrs.	Jacket Thickness-64th	Approx. O.D. Inches	Net Wt. Lbs./M'	Approx. Ship Wt. Lbs./M'
207-84-3982	10	Sol.	2	5	.83	316	356
207-84-3994	9	Sol.	2	5	.92	386	445

Minimum Manufacturing Quantity is 1000 ft.
Standard Package—1000' N.R. Reel.

Standard Package will be furnished where orders do not specify otherwise.

Engineering Data (Approximate Values)

Size AWG	Attenuation db/mile	Mutual Capacitance $\mu\text{f}/\text{mile}$	Capacity Unbalance
10	0.69	0.080	3%
9	0.64	0.080	3%

Characteristic Impedence: $Z_o = 101$ ohms
Electrical Characteristics at 20kHz:

Notes: These characteristics result in a smooth match with available equipment either direct or through matching impedance transformers. The attenuation value is low for the dollar investment and the balanced low capacity results in good quality operation.