

# GRADE 2 COMPOSITE CABLE

Rev. 2. 1/02

## Description:

- Composite Cable Consisting of:
  - 2 - (HQ841) RG6/U Quad-Shielded Cable
    - Solid Bare Copper Conductor (18AWG)
    - Gas Injected Foam Polyethylene Insulation (.180 inch) 4.57mm
    - Quad-Shield - Bi-foil, Aluminum Braid, Bifoil, plus Aluminum Braid
    - Overall PVC Jacket .285 inch - 7.24mm
  - 2 - (4245) Category 5E Cable
    - 4 Pair 24AWG solid bare copper
    - Thermoplastic Insulation (.020 inch) .51mm
    - PVC Jacket Nom. O.D. (.209 inch) 5.31mm
  - 2 - (WP92001) Simplex Fiber Optic Cables
    - 62.5/125 micron
    - 900 micron Buffer Thermoplastic
    - PVC Jacket Nom. O.D. (.110 inch) 2.80mm

## Overall Cable Diameter

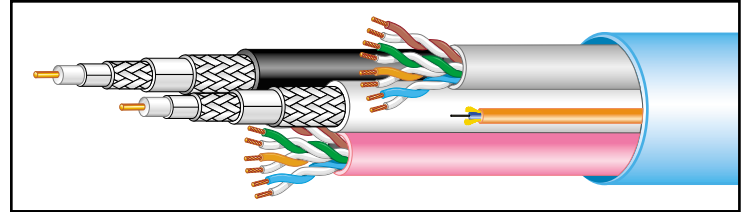
- .660 inch

## Applications:

- Data
- Video
- Home Automation
- Control Systems

## Rating:

- UL listed NEC type CM as defined in Article 800
- Constructed in accordance with UL Standard 444
- Listed as being resistant to the spread of fire as defined in Section 800 of the National Electric Code.



## Electrical Characteristics: CATV

- Nom. Capacitance: 16.2pf/ft
- Nom. D.C.R: 6.5Ω/1000ft
- Nom. Impedance: 75Ω
- Velocity of Propagation: 82%

## Structural Return Loss (SRL)

- 5-850Mhz - 23dB min.
- 851Mhz - 2.2Ghz - 21dB min.

## Electrical Characteristics: Category 5E Type

- Nominal capacitance: 14 pf/ft \*
  - Nom. D.C.R. : 26 Ω/1000 ft.
  - Nom. Impedance: 100 Ω
  - Nom. Velocity of Propagation: 68%
- \*Capacitance between conductors.

## Electrical Characteristics: Fiber Optic Cable

- Attenuation: 2.70dB/Km @ 850nm typical  
3.50dB/Km @ 850nm Max
- Bandwidth 200Mhz/Km @850nm

## Color Code:

Jacket: Quad Shielded CATV Cable

- Black • White

Jacket: Category 5E

- Gray • Pink

Jacket: Fiber Optic Cable

- Orange

Conductors: Category 5E Type

- Pair 1- White/Blue- Blue, Pair 2- White/Orange - Orange,
- Pair 3- White/Green- Green, Pair 4- White/Brown- Brown

## Overall Jacket Color:

- Blue

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