

CAT5E/RG6/U SIAMESE CABLE

24-AWG CAT5E UTP (CMR) + 18-AWG RG6 QUAD SHIELDED

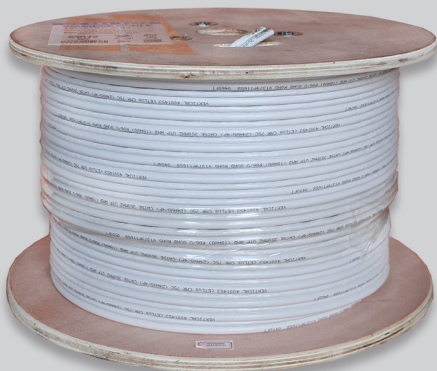


DESCRIPTION

**Siamese Cable, CMR Rated,
4P x 24-AWG CAT5E Solid Bare Copper,
18-AWG RG6/U Coaxial Quad Shielded**

FEATURES

- **2 Component Siamese Composite Cable**
- **Supports 10/100/1000BASE-T applications, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422**
- **Suitable for Digital HDTV Applications, CATV and Digital Satellite Installations**
- **24-AWG CAT5E UTP Solid Bare Copper Conductors, 350 MHz Bandwidth**
- **18-AWG RG6/U Copper Clad Steel Conductors, Sweep Tested to 3GHz**
- **Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications**
- **CAN/CSA-C22.2 No. 214, RoHS compliant**
- **CMR Rated, ETL listed**



294-2172

TRANSMISSION PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

CONSTRUCTION

Components: RG6/U Cable + CAT5E Cable
Rip Cord: x2 (Nylon)

COMPONENT 1 (18-AWG RG6/U)

Conductor: 18-AWG Copper Clad Steel (CCS)
Dielectric Core Diameter: 0.1800 in. (4.57 mm)
Dielectric Material: Cellular Polyethylene (PE)
Jacket Color: White
Screen (Aluminum): Foil 1: 100% Coverage
Braid 1: 60% Coverage
Foil 2: 100% Coverage
Braid 2: 40% Coverage

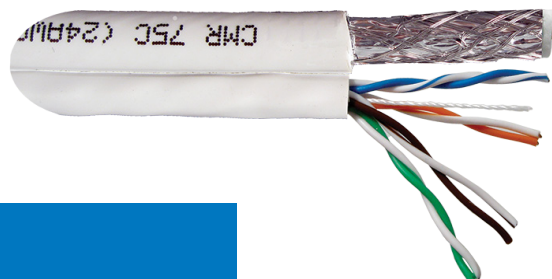
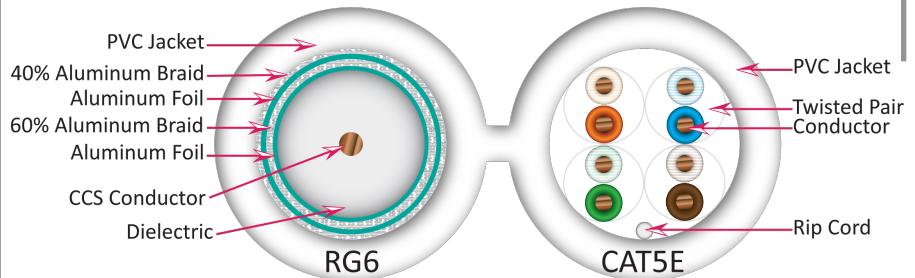
Outer Diameter: 0.29 in. (7.30 mm)
Jacket Material: Polyvinyl Chloride (PVC)
Jacket Marking: RG6/U QUAD TYPE CMR 18AWG CATV
SWEPT TO 3000MHz XXXFT

COMPONENT 2 (24-AWG CAT5E)

Conductors: 4 Pairs 8 Conductors Solid Bare Copper
Jacket Color: White
UTP Insulation Color Coding: Pair 1: Orange/White with Orange Stripe
Pair 2: Blue/White with Blue Stripe
Pair 3: Brown/White with Brown Stripe
Pair 4: Green/White with Green Stripe

Outer Diameter: 0.20 in. (5.10 mm)
Insulation Material: Polyethylene (PE)
Jacket Material: Polyvinyl Chloride (PVC)
Jacket Marking: VERIFIED CMR CATEGORY 5E 350MHz
ANSI/TIA-568.2-D 24AWG 4PR UTP XXXFT

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VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York



verticalcable.com

Rev. 2/2024
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OVERALL JACKET

Material:	Polyvinyl Chloride (PVC)
Outer Diameter:	0.49 in. (12.40 mm)
Average Thickness:	0.0295 in. (0.75 mm)
Marking:	VERTICAL CMR 75C 2 x (24AWG/4P) CAT5E 350MHZ UTP AND 2 (18AWG) RG6/U QUAD XXXFT

ELECTRICAL

CAT5E:

1.0-350MHz Impedance:	100Ω
1.0350MHz Delay Skew:	≤45ns/100m
Maximum Capacitance Unbalance:	330 pF/100m
Maximum Conductor D.C.R.:	93.8Ω/km
Maximum D.C.R. Unbalance:	5%
Maximum Capacitance Unbalance:	330 pF/100m
Maximum Conductor D.C.R.:	93.8Ω/km
Maximum D.C.R. Unbalance:	5%

RG6/U:

Nominal Characteristic Impedance:	75Ω
Nominal Attenuation (dB per 100ft.):	0.25 dB @ 1 MHz 1.41 dB @ 50 MHz 1.92 dB @ 100 MHz 2.64 dB @ 200 MHz 5.06 dB @ 700 MHz 6.20 dB @ 1000MHz 8.43 dB @ 1800 MHz 9.35 dB @ 2200MHz

MECHANICAL

Before Tensile Strength (Mpa):	≥13.8
Aging Elongation (%):	≥100
Aging Condition (°Cxhrs):	100x168
After Tensile Strength (Mpa):	≥85% of unaged
Aging Elongation (5):	≥50% if unaged
Cold Bend (-20±2°Cx4hrs):	No Crack

ENVIRONMENTAL

Operating temperature:	-4 °F–167 °F (-20 °C–75 °C)
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WEIGHT

32 lb (14.5 kg)

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