

CAT5E BUNDLED CABLE

(2) 24-AWG CAT5E + (2) MULTIMODE FIBER

(2) 18-AWG RG6 QUAD SHIELDED



294-2174

TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Components: CAT5E + RG6/U + Multimode Fiber
Rip Cord: x3 (Nylon)

COMPONENT 1 (4P x 24-AWG CAT5E)

Conductors: 4 Pairs 8 Conductors Solid Bare Copper
Insulation Diameter: 0.0358 in. (0.91 mm)
Insulation Material: Polyethylene (PE)
Jacket Color: Blue
Screen: Unscreened
Outer Diameter: 0.20 in. (5.10 mm)
Jacket Material: Polyvinyl Chloride (PVC)
Jacket Marking: VERIFIED CMR CATEGORY 5E 350MHz ANSI/TIA-EIA-568C.2-D 24AWG 4PR UTP XXXFT
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

COMPONENT 2 (18-AWG RG6/U)

Conductor: 18-AWG Copper Clad Steel (CCS)
Insulation Material: Foam Polyethylene (PE)
Jacket Color: Black
Screen (Aluminum): Foil 1: 100% Coverage
Foil 2: 100% Coverage
Braid 1: 60% Coverage
Braid 2: 40% Coverage
Outer Diameter: 0.29 in. (7.40 mm)
Jacket Material: Polyvinyl Chloride (PVC)
Jacket Marking: RG6/U QUAD TYPE CMR 18AWG CATV SWEPT TO 3000MHz XXXFT

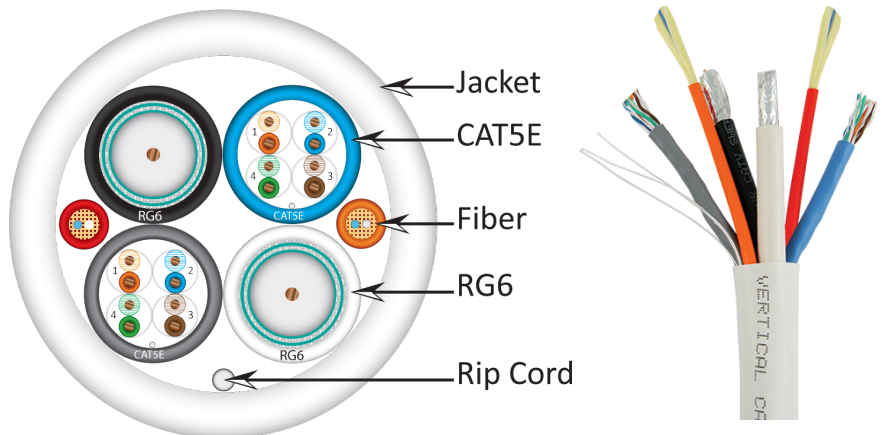
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DESCRIPTION

6 Component Bundle Cable CMR, (2) Multimode Fiber,
(2) 4P x 23-AWG CAT5E Solid Bare Copper,
(2) 18-AWG RG6/U Coaxial Quad Shielded

FEATURES

- 6 Component Bundled 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
- Multimode Fiber, 2 Cores
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
- CAN/CSA-C22.2 No. 214, RoHS compliant
- CMR Rated, ETL listed



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York

verticalcable.com



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COMPONENT 3 (4P x 24-AWG CAT5E)

Conductors:	4 Pairs 8 Conductors Solid Bare Copper
Insulation Diameter:	0.0358 in. (0.91 mm)
Insulation Material:	Polyethylene (PE)
Jacket Color:	Grey
Outer Diameter:	0.20 in. (5.10 mm)
Jacket Material:	Polyvinyl Chloride (PVC)
Jacket Marking:	VERIFIED CMR CATEGORY 5E 350MHZ ANSI/TIA-EIA-568C.2-D 24AWG 4PR UTP XXXFT
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

COMPONENT 4 (18-AWG RG6/U)

Conductor:	18-AWG Copper Clad Steel (CCS)
Insulation Material:	Foam Polyethylene (PE)
Jacket Color:	White
Screen (Aluminum):	Foil 1: 100% Coverage Foil 2: 100% Coverage Braid 1: 60% Coverage Braid 2: 40% Coverage
Outer Diameter:	0.29 in. (7.40 mm)
Jacket Material:	Polyvinyl Chloride (PVC)
Jacket Marking:	RG6/U QUAD TYPE CMR 18AWG CATV SWEPT TO 3000MHz XXXFT

COMPONENT 5 (OPTICAL FIBER)

Core Material:	Ultra Pure Silica Glass
Core Diameter:	62.5 μm
Clad Diameter:	12.5 μm
Primary Coating Material:	UV Curable Acrylate
Jacket Color:	Red
Jacket Material:	Polyvinyl Chloride (PVC)
Jacket Marking:	OPTICAL FIBER CABLE MULTIPLE DUPLEX 62.5/125

COMPONENT 6 (OPTICAL FIBER)

Core Material:	Ultra Pure Silica Glass
Core Diameter:	62.5 μm
Clad Diameter:	12.5 μm
Primary Coating Material:	UV Curable Acrylate
Jacket Color:	Orange
Jacket Material:	Polyvinyl Chloride (PVC)
Jacket Marking:	OPTICAL FIBER CABLE MULTIPLE DUPLEX 62.5/125

OVERALL JACKET

Material:	Polyvinyl Chloride (PVC)
Outer Diameter:	0.69 in. (17.50 mm)
Marking:	VERTICAL CMR 75C 2 x (24AWG/4P) CAT5E 350MHZ UTP AND 2 x (18AWG) RG6/U QUAD AND 2 x (OPTICAL FIBER) XXXFT

ELECTRICAL

CAT5E:

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

RG6/U:

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

MECHANICAL

Before Tensile Strength (Mpa):	≥ 13.8
Aging Elongation (%):	≥ 100
Aging Condition ($^{\circ}\text{C}$ xhrs):	100x168
After Tensile Strength (Mpa):	$\geq 85\%$ of unaged
Aging Elongation (5):	$\geq 50\%$ if unaged
Cold Bend ($-20 \pm 2^{\circ}\text{C}$ x4hrs):	No Crack

ENVIRONMENTAL

Operating temperature:	-4 $^{\circ}\text{F}$ -167 $^{\circ}\text{F}$ (-20 $^{\circ}\text{C}$ -75 $^{\circ}\text{C}$)
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WEIGHT

96 lb (43.5 kg)

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