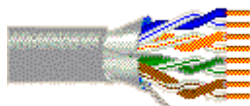


1624R Multi-Conductor - Category 5 Nonbonded-Pair ScTP Cable



For more Information
please call

1-800-Belden1



General Description:

CAT5, 4-Pair, F/UTP-Foil shielded, Riser-CMR, Premise Horizontal Cable, 24 AWG solid bare copper conductors, Polyolefin insulation, Beldfoil® shield, ,PVC jacket, RJ-45 compatible

Usage (Overall)

Suitable Applications: Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422, 100MHz Category 5

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	24	Solid	BC - Bare Copper

Total Number of Conductors: 8

Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (in.)
0.260

Pair

Pair Color Code Chart:

Number	Color
1	White/Blue Stripe & Blue
2	White /Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Bulk Cable Weight: 30 lbs/1000 ft.

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Max. Recommended Pulling Tension:	25 lbs.
Min. Bend Radius/Minor Axis:	1 in.
Min. Bend/Installation:	2.600 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR, UL444

CEC/C(UL) Specification: CMR

EU Directive 2011/65/EU (ROHS II): Yes

Other Standards: 11801 Category 5

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Telecommunications Standards: 568-B.2 Category 5

Other Specification: NEMA WC-63.1 Category 5, UL Verified to Category 5

Flame Test

UL Flame Test: UL1666 Riser

CSA Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 1624P

Electrical Characteristics (Overall)

Nom. Mutual Capacitance:

Capacitance (pF/ft)

15

Maximum Capacitance Unbalance (pF/100 m): 300

Nominal Velocity of Propagation:

VP (%)

67

Maximum Delay:

Delay (ns/100 m)

538 @ 100MHz

Max. Delay Skew:

Delay Skew (ns/100 m)

45

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)

9.38

Max. Operating Voltage - UL:

Voltage

300 V RMS

Maximum DCR Unbalanced:

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DCR Unbalance @ 20°C (%)

3

Electrical Characteristics-Premise (Overall)

Premise Cable Electricals:

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. SRL (dB)	Fitted Imp. (Ohms)
1	2.0	62.2	62.3	23.0	100 ± 15%
4	4.1	53.3	53.3	23.0	100 ± 15%
8	5.8	48.8	48.8	23.0	100 ± 15%
10	6.5	47.3	47.3	23.0	100 ± 15%
16	8.2	44.3	44.3	23.0	100 ± 15%
20	9.3	42.8	42.8	23.0	100 ± 15%
25	10.4	41.3	41.3	22.0	100 ± 15%
31.25	11.7	39.9	39.9	21.1	100 ± 15%
62.5	17.0	35.4	35.4	18.0	100 ± 15%
100	22.0	32.2	32.3	16.0	100 ± 15%

Notes (Overall)

Notes: Shield is bonded to jacket inner wall for electrical stability. RJ-45 Compatible. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1624R B02A1000	1,000 FT	36.000 LB	PURPLE		CAT5 4PR F/UTP CMR RIB
1624R B021000	1,000 FT	33.000 LB	PURPLE		CAT5 4PR F/UTP CMR REEL
1624R F2VA1000	1,000 FT	36.000 LB	GRAY, DEC		CAT5 4PR F/UTP CMR RIB
1624R F2V1000	1,000 FT	33.000 LB	GRAY, DEC	C	CAT5 4PR F/UTP CMR REEL
1624R F2V1640	1,640 FT	54.120 LB	GRAY, DEC		CAT5 4PR F/UTP CMR REEL
1624R 002A1000	1,000 FT	36.000 LB	RED		CAT5 4PR F/UTP CMR RIB
1624R 0021000	1,000 FT	33.000 LB	RED	C	CAT5 4PR F/UTP CMR REEL
1624R 003A1000	1,000 FT	36.000 LB	ORANGE		CAT5 4PR F/UTP CMR RIB
1624R 0031000	1,000 FT	33.000 LB	ORANGE	C	CAT5 4PR F/UTP CMR REEL
1624R 004A1000	1,000 FT	36.000 LB	YELLOW		CAT5 4PR F/UTP CMR RIB
1624R 0041000	1,000 FT	33.000 LB	YELLOW	C	CAT5 4PR F/UTP CMR REEL
1624R 005A1000	1,000 FT	36.000 LB	GREEN, DARK		CAT5 4PR F/UTP CMR RIB
1624R 0051000	1,000 FT	33.000 LB	GREEN, DARK	C	CAT5 4PR F/UTP CMR REEL
1624R 006A1000	1,000 FT	36.000 LB	BLUE, LIGHT		CAT5 4PR F/UTP CMR RIB
1624R 0061000	1,000 FT	33.000 LB	BLUE, LIGHT	C Z	CAT5 4PR F/UTP CMR REEL

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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