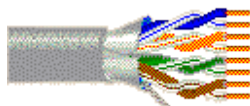


1624R Multi-Conductor - Category 5 Nonbonded-Pair ScTP Cable



For more Information
please call

1-800-Belden1



General Description:

24 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, Beldfoil® shield, 24 (7x32) TC drain wire, RJ-45 compatible, see color code chart (below), PVC jacket (red, orange, yellow, green blue, purple or light gray).

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. (mm)
6.604

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

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Bulk Cable Weight:	44.646 Kg/Km
Max. Recommended Pulling Tension:	111.205 N
Min. Bend Radius/Minor Axis:	25.400 mm
Min. Bend/Installation:	66.040 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR, UL444
CEC/C(UL) Specification:	CMR
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/m)
49.215

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	305 MT	16.329 KG	PURPLE		CAT5 4PR F/UTP CMR RIB
1624R B021000	305 MT	14.969 KG	PURPLE		CAT5 4PR F/UTP CMR REEL
1624R F2VA1000	305 MT	16.329 KG	GRAY, DEC		CAT5 4PR F/UTP CMR RIB
1624R F2V1000	305 MT	14.969 KG	GRAY, DEC	C	CAT5 4PR F/UTP CMR REEL
1624R F2V1640	500 MT	24.549 KG	GRAY, DEC		CAT5 4PR F/UTP CMR REEL
1624R 002A1000	305 MT	16.329 KG	RED		CAT5 4PR F/UTP CMR RIB
1624R 0021000	305 MT	14.969 KG	RED	C	CAT5 4PR F/UTP CMR REEL
1624R 003A1000	305 MT	16.329 KG	ORANGE		CAT5 4PR F/UTP CMR RIB
1624R 0031000	305 MT	14.969 KG	ORANGE	C	CAT5 4PR F/UTP CMR REEL
1624R 004A1000	305 MT	16.329 KG	YELLOW		CAT5 4PR F/UTP CMR RIB
1624R 0041000	305 MT	14.969 KG	YELLOW	C	CAT5 4PR F/UTP CMR REEL
1624R 005A1000	305 MT	16.329 KG	GREEN, DARK		CAT5 4PR F/UTP CMR RIB
1624R 0051000	305 MT	14.969 KG	GREEN, DARK	C	CAT5 4PR F/UTP CMR REEL
1624R 006A1000	305 MT	16.329 KG	BLUE, LIGHT		CAT5 4PR F/UTP CMR RIB
1624R 0061000	305 MT	14.969 KG	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.

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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