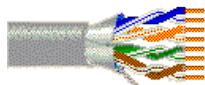


## 1624R Multi-Conductor - Category 5 Nonbonded-Pair ScTP Cable



For more Information  
please call

1-800-Belden1



### General Description:

CAT5 (100MHz), 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. (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
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/(UL) Specification:	CMR

## METRIC MEASUREMENT VERSION

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

EU Directive 2011/65/EU (ROHS II):	Yes
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
Other Specification:	NEMA WC-63.1 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:

###### 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:

## METRIC MEASUREMENT VERSION

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

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