

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



For more Information
please call

1-800-Belden1



Description:

24 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, Beldfoil® shield, 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

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

Overall Cabling

Overall Nominal Diameter: 0.260 in.

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.

Max. Recommended Pulling Tension: 25 lbs.

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

Min. Bend Radius (Install)/Minor Axis:	1 in.
--	-------

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/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:

DCR Unbalance @ 20°C (%)

3

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

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		4 PR #24 PP FS PVC
1624R B021000	1,000 FT	33.000 LB	PURPLE		4 PR #24 PP FS PVC
1624R F2VA1000	1,000 FT	36.000 LB	GRAY, DEC		4 PR #24 PP FS PVC
1624R F2V1000	1,000 FT	33.000 LB	GRAY, DEC	C	4 PR #24 PP FS PVC
1624R F2V1640	1,640 FT	54.120 LB	GRAY, DEC		4 PR #24 PP FS PVC
1624R 002A1000	1,000 FT	36.000 LB	RED		4 PR #24 PP FS PVC
1624R 0021000	1,000 FT	33.000 LB	RED	C	4 PR #24 PP FS PVC
1624R 003A1000	1,000 FT	36.000 LB	ORANGE		4 PR #24 PP FS PVC
1624R 0031000	1,000 FT	33.000 LB	ORANGE	C	4 PR #24 PP FS PVC
1624R 004A1000	1,000 FT	36.000 LB	YELLOW		4 PR #24 PP FS PVC
1624R 0041000	1,000 FT	33.000 LB	YELLOW	C	4 PR #24 PP FS PVC
1624R 005A1000	1,000 FT	36.000 LB	GREEN, DARK		4 PR #24 PP FS PVC
1624R 0051000	1,000 FT	33.000 LB	GREEN, DARK	C	4 PR #24 PP FS PVC
1624R 006A1000	1,000 FT	36.000 LB	BLUE, LIGHT		4 PR #24 PP FS PVC
1624R 0061000	1,000 FT	33.000 LB	BLUE, LIGHT	C	4 PR #24 PP FS PVC

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-15-2009

© 2010 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.