

## 1624R Paired - Category 5 Unbonded-Pair Cables

 	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Related Documents :</b> <b>Termination Instructions for Shielded UTP.pdf</b></p>
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### 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).

### SUITABLE APPLICATIONS:

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:

#### CONDUCTOR:

Number of Pairs	4
Total Number of Conductors	8
AWG	24
Stranding	Solid
Conductor Material	BC - Bare Copper

#### INSULATION:

Insulation Material	PO - Polyolefin
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#### Pair Color Code Chart :

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

#### OUTER SHIELD:

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

#### OUTER SHIELD DRAIN WIRE :

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

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### OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.260 in.
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +75°C
Bulk Cable Weight	30 lbs/1000 ft.
Max. Recommended Pulling Tension	25 lbs.
Min. Bend Radius (Install)	1 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	CMR, UL444
CEC/C(UL) Specification	CMR
IEC Specification	11801 Category 5
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
TIA/EIA Specification	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)	N
Plenum Number	1624P

### ELECTRICAL CHARACTERISTICS:

Nom. Mutual Capacitance @ 1 KHz	15 pF/ft
Maximum Capacitance Unbalance (pF/100 m)	300 pF/100 m
Nominal Velocity of Propagation	67 %
Maximum Delay (ns/100 m)	538 @ 100MHz ns/100 m
Maximum Delay Skew (ns/100m)	45 ns/100 m
Maximum Conductor DC Resistance @ 20 Deg. C	9.38 Ohms/100 m
Maximum DCR Unbalance @ 20 Deg. C	3 %
Max. Operating Voltage - UL	300 V RMS

### ELECTRICAL CHARACTERISTICS - PREMISE:

Premise Cable Electricals :	
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Frequency (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. Structural Return Loss (dB)	Fitted Impedance (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:

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	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1624R 0021000	4 PR #24 PP FS PVC	1000	33	RED	C
1624R 002A1000	4 PR #24 PP FS PVC	A1000	36	RED	
1624R 0031000	4 PR #24 PP FS PVC	1000	33	ORANGE	C
1624R 003A1000	4 PR #24 PP FS PVC	A1000	36	ORANGE	
1624R 0041000	4 PR #24 PP FS PVC	1000	33	YELLOW	C
1624R 004A1000	4 PR #24 PP FS PVC	A1000	36	YELLOW	
1624R 0051000	4 PR #24 PP FS PVC	1000	33	GREEN, DARK	C
1624R 005A1000	4 PR #24 PP FS PVC	A1000	36	GREEN, DARK	
1624R 0061000	4 PR #24 PP FS PVC	1000	33	BLUE, LIGHT	C
1624R 006A1000	4 PR #24 PP FS PVC	A1000	36	BLUE, LIGHT	
1624R B021000	4 PR #24 PP FS PVC	1000	33	PURPLE	
1624R B02A1000	4 PR #24 PP FS PVC	A1000	36	PURPLE	
1624R F2V1000	4 PR #24 PP FS PVC	1000	33	GRAY, DEC	C
1624R F2V1640	4 PR #24 PP FS PVC	1640	54.12	GRAY, DEC	
1624R F2VA1000	4 PR #24 PP FS PVC	A1000	36	GRAY, DEC	

C = CRATE REEL PUT-UP.

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