

1624RA Paired - Category 5e Unbonded - Pair Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents: No.8 for Data Twist Cables (Modified Western Electric).pdf</p>
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Description:

24 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, foil shield, drain wire, ripcord, see color code chart (below), PVC jacket (blue, green or gray).

SUITABLE APPLICATIONS:

Suitable Applications	Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422
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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
Pair Color Code Chart:	

Pair Number	Insulation Color	
	Wire 1	Wire 2
1	Blue	White with Blue Marking
2	Orange	White with Orange Marking
3	Green	White with Green Marking
4	Brown	White with Brown Marking

OUTER SHIELD:

Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil – Polyester Tape
Outer Shield % Coverage	100 %

OUTER SHIELD DRAIN WIRE:

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Outer Shield Drain Wire Nom. Diameter	0.50 mm
Outer Shield Drain Wire Conductor Material	TC – Tinned Copper
OUTER JACKET:	
Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Ripcord	Yes
OVERALL NOMINAL DIAMETER:	
Overall Nominal Diameter	6.1 mm
MECHANICAL CHARACTERISTICS:	
Operating Temperature Range	- 20 To + 75
Bulk Cable Weight	42 kg/km
Max. Recommended Pulling Tension	110 N
Min. Bend Radius (Install)	25.4 mm
APPLICABLE SPECIFICATION AGENCY COMPLIANCE:	
APPLICABLE STANDARDS:	
NEC/(UL) Specification	CMR, UL444
CEC/C(UL) Specification	CMR
IEC Specification	11801 Category 5e
EU CE Mark (Y/N)	N
EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	Dec 2007
TIA/EIA Specification	568-B.2 Category 5e
Other Specification	NEMA WC-63.1 Category 5e, UL verified to Category 5e
FLAME TEST:	
UL Flame Test	UL1666 Riser
SUITABILITY:	
Suitability – Indoor (Y/N)	Y
Suitability - Outdoor (Y/N)	N
Sunlight Resistance (Y/N)	N
Oil Resistance	N
Non-halogenated	N
PLENUM/NON-PLENUM:	
Plenum (Y/N)	N
ELECTRICAL CHARACTERISTICS:	
Nom. Mutual Capacitance @ 1 KHz	5.6 nF/100m
Maximum Capacitance Unbalance	330 pF/100m

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Nominal Velocity of Propagation	70 %
Maximum Delay @ 100 MHz	538 ns/100m
Maximum Delay Skew	45 ns/100m
Maximum Conductor DC Resistance @ 20 Deg.C	9.38 Ohms/100m
Maximum DCR Unbalance @ 20 Deg.C	5 %
Max. Operating Voltage - UL	300 V RMS

ELECTRICAL CHARACTERISTICS - PREMISES:

Premise Cable Electricals Table 1:

Frequency (MHz)	Max. Attenuation (dB/100m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACR (dB)	Min. PSACR (dB)	Min. Return Loss (dB)	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	2.0	65.3	62.3	63.3	60.3	20.0	63.8	60.8
4	4.1	56.3	53.3	52.2	49.2	23.0	51.7	48.7
8	5.8	51.8	48.8	46.0	43.0	24.5	45.7	42.7
10	6.5	50.3	47.3	43.8	40.8	25.0	43.8	40.8
16	8.2	47.3	44.3	39.0	36.0	25.0	39.7	36.7
20	9.3	45.8	42.8	36.5	33.5	25.0	37.7	34.7
25	10.4	44.3	41.3	33.9	30.9	24.3	35.8	32.8
31.25	11.7	42.9	39.9	31.2	28.2	23.6	33.9	30.9
62.5	17.0	38.4	35.4	21.4	18.4	21.5	27.8	24.9
100	22.0	35.3	32.3	13.3	10.3	20.1	23.8	20.8

NOTES:

Notes	Jacket sequentially metre marked. Third party verified to TIA/EIA-568-B.2, Category 5e
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PUT-UPS AND COLORS:

Item	Description	Put-Up (metre)	Ship Weight (kg)	Jacket Color	Notes
1624RA 005152M	4 PR #24 PP FS PVC	152	10.8	GREEN	C
1624RA 005250M	4 PR #24 PP FS PVC	250	14.7	GREEN	C
1624RA 005305M	4 PR #24 PP FS PVC	305	17.0	GREEN	C
1624RA 005U305M	4 PR #24 PP FS PVC	305	14.0	GREEN	
1624RA 005500M	4 PR #24 PP FS PVC	500	27.0	GREEN	C
1624RA 0051000M	4 PR #24 PP FS PVC	1000	50.0	GREEN	C
1624RA 006152M	4 PR #24 PP FS PVC	152	10.8	BLUE	C
1624RA 006250M	4 PR #24 PP FS PVC	250	14.7	BLUE	C
1624RA 006305M	4 PR #24 PP FS PVC	305	17.0	BLUE	C
1624RA 006U305M	4 PR #24 PP FS PVC	305	14.0	BLUE	
1624RA 006500M	4 PR #24 PP FS PVC	500	27.0	BLUE	C

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1624RA 0061000M	4 PR #24 PP FS PVC	1000	50.0	BLUE	C
1624RA 008152M	4 PR #24 PP FS PVC	152	10.8	GRAY	C
1624RA 008250M	4 PR #24 PP FS PVC	250	14.7	GRAY	C
1624RA 008305M	4 PR #24 PP FS PVC	305	17.0	GRAY	C
1624RA 008U305M	4 PR #24 PP FS PVC	305	14.0	GRAY	
1624RA 008500M	4 PR #24 PP FS PVC	500	27.0	GRAY	C
1624RA 0081000M	4 PR #24 PP FS PVC	1000	50.0	GRAY	C

C=CRATE REEL PUT-UP.

Revision Number: 1

Revision Date: 1/15/2007

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