

1533RAS Paired - Category 5e Unbonded - Pair Cable

  	<p style="text-align: center;">For more information please call 1-800-Belden1</p> <p style="text-align: center;"><u>See Put-ups and Colors</u></p> <p style="text-align: center;">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), LSNH jacket (blue, 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 Stripe
2	Orange	White with Orange Stripe
3	Green	White with Green Stripe
4	Brown	White with Brown Stripe

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	7×32AWG
Outer Shield Drain Wire Conductor Material	TC – Tinned Copper
OUTER JACKET:	
Outer Jacket Material	LSNH – Low Smoke Non-Halogen
Outer Jacket Ripcord	Yes
OVERALL NOMINAL DIAMETER:	
Overall Nominal Diameter	6.60 mm
MECHANICAL CHARACTERISTICS:	
Operating Temperature Range	- 20°C To + 75°C
Bulk Cable Weight	46 kg/km
Max. Recommended Pulling Tension	110 N
Min. Bend Radius (Install)	26.4 mm
APPLICABLE SPECIFICATION AGENCY COMPLIANCE:	
APPLICABLE STANDARDS:	
NEC/(UL) Specification	UL444
IEC Specification	11801 Category 5e
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
FLAME TEST:	
IEC Flame Test	60332-1 Flammability
SUITABILITY:	
Suitability – Indoor (Y/N)	Y
Suitability - Outdoor (Y/N)	N
Sunlight Resistance (Y/N)	N
Oil Resistance	N
Non-halogenated	Y
PLENUM/NON-PLENUM:	
Plenum (Y/N)	N
ELECTRICAL CHARACTERISTICS:	
Nom. Mutual Capacitance @ 1 KHz	5.6 nF/100m
Maximum Capacitance Unbalance	330 pF/100m
Nominal Velocity of Propagation	70 %
Maximum Delay @ 100 MHz	538 ns/100m

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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.
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PUT-UPS AND COLORS:

Item	Description	Put-Up(metre)	Ship Weight(kg)	Jacket Color
1533RAS 006305M	4 PR #24 PO LSNH	305	15.4	BLUE
1533RAS 008305M	4 PR #24 PO LSNH	305	15.4	GRAY

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