

1533R Multi-Conductor - Category 5e Nonbonded-Pair Cable



For more Information please call

1-800-Belden1



General Description:

CAT5e (100MHz), 4-Pair, F/UTP-Foil shielded, Riser-CMR, Premise Horizontal Cable, 24 AWG solid bare copper conductors, polyolefin insulation, overall Beldfoil® shield,PVC jacket, RJ-45 compatible

MTSCFAL Component of Composite Video, AES/EBU, Digital Video, R5-422, Noisy Environments, 100MH2 Category 58 MSC: MV:	Isage (Overall) Suitable Applications:	Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM,
AWC: Image: AWC & Stranding BCo-Bare Copper 8 Total Number of Conductor: 8 Image: AWC & Stranding BCO-Bare Copper 8 Total Number of Conductor: 8 Image: AWC & Stranding BCO-Bare Copper 100 Outro: Shield Material: 100 Image: AWC & Stranding Drain Wro Conductor Material 100 Outro: Shield Drain Wro Conductor Material: 100 Image: AWC & Stranding Drain Wro Conductor Material: 100 Image: AWC & Stranding Drain Wro Conductor Material: 100 Image: AWC & Stranding Drain Wro Conductor Material: 100 Image: AWC & Stranding Drain Wro Conductor Material: 100 Image: AWC & Stranding Drain Wro Conductor Material: 100 Image: AWC & Stranding Drain Wro Conductor Material: 100 Image: AWC & Stranding Drain Wro Conductor Material: 100 Image: AWC & Stranding Drain Wro Conductor Material: 100 Image: AWC & Stranding Drain Wro AWC: 1100 Image: AWC & BWC 11100 Image:		NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, Noisy Environments,
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Pairs AVG Stranding Conductor Material		
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Applicable Standards & Environmental Programs NEC/(UL) Specification: CMR, UL444	Min. Bend/Installation:	66.040 mm
NEC/(UL) Specification: CMR, UL444		
	CEC/C(UL) Specification:	CMR, 0L444

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1533R Multi-Conductor - Category 5e Nonbonded-Pair Cable

EU Dir	ective 2011/65/EU (ROHS II):			Yes					
Other	Standards:			11801 Category 5					
EU CE	Mark:			Yes					
EU Dir	ective 2000/53/EC (ELV):			Yes					
EU Dir	ective 2002/95/EC (RoHS):			Yes					
EU Ro	HS Compliance Date (mm/dd/y	/ууу):		01/01/2004					
EU Dir	ective 2002/96/EC (WEEE):			Yes					
EU Dir	ective 2003/11/EC (BFR):			Yes					
CA Pro	op 65 (CJ for Wire & Cable):			Yes					
MII Ord	der #39 (China RoHS):			Yes					
Teleco	mmunications Standards:			568-B.2 Category 5e					
Other	Specification:			NEMA WC-63.1 Cat	egory 5e, UL Ver	ified to Category	5e		
lame Tes	st								
UL Fla	me Test:			UL1666 Riser					
CSA F	lame Test:			FT4					
lenum/N	on-Plenum								
Plenur	n (Y/N):			No					
Plenur	n Number:			1533P					
lominal Ve	um Capacitance Unbalance (p locity of Propagation:	, , , , , , , , , , , , , , , , , , ,		330					
VP (%) 70									
laximum D)elav:								
Delay (n 538 @ 10	s/100 m)								
lax. Delay	Skew:								
Delay Sk 45	kew (ns/100 m)								
	Conductor DC Resistance: 20°C (Ohm/100 m)								
9.38									
Voltage									
	MS OCR Unbalanced:								
	balance @ 20°C (%)								
	Characteristics-Premi	se (Overall)							
remise Ca	ble Electrical Table 1:								
Freq. (M	Hz) Max. Attenuation (dB/100 2.0	m) Min. NEXT (df 65.3	B) Min. PSN 62.3	EXT (dB) Min. ACR (d 60.3	IB) Min. PSACR 60.3	(dB) Min RL (dl 20.0	B) Min. SRL (dB) 23.0		
4	4.1	56.3	53.3	49.2	49.2	20.0	23.0		
8	5.8	51.8	48.8	43.0	43.0	24.5	24.5		
10	6.5	50.3	47.3	40.8	40.8	25.0	25.0	1	

8	5.8	51.8	48.8	43.0	43.0	24.5	24.5
10	6.5	50.3	47.3	40.8	40.8	25.0	25.0
16	8.2	47.3	44.3	36.0	36.0	25.0	25.0
20	9.3	45.8	42.8	33.5	33.5	25.0	25.0
25	10.4	44.3	41.3	30.9	30.9	24.3	24.3
31.25	11.7	42.9	39.9	28.2	28.2	23.6	23.6
62.5	17.0	38.4	35.4	18.4	18.4	21.5	21.5
100	22.0	35.3	32.3	10.3	10.3	20.1	20.1

Premise Cable Electrical Table 2:

Freq. (MHz) Input (Unfitted) Imp. (Ohms) Fitted Impedance Min. ELFEXT (dB) Min. PSELFEXT (dB)



METRIC MEASUREMENT VERSION

1533R Multi-Conductor - Category 5e Nonbonded-Pair Cable

1	100 ± 15	100 ± 15	63.8	60.8	
4	100 ± 15	100 ± 15	51.7	48.7	
8	100 ± 15	100 ± 15	45.7	42.7	
10	100 ± 15	100 ± 15	43.8	40.8	
16	100 ± 15	100 ± 15	39.7	36.7	
20	100 ± 15	100 ± 15	37.7	34.7	
25	100 ± 15	100 ± 15	35.8	32.8	
31.25	100 ± 15	100 ± 15	33.9	30.9	
62.5	100 ± 15	100 ± 15	27.8	24.8	
100	100 ± 15	100 ± 15	23.8	20.8	

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 5e.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
	· · · ·			110100	
1533R F2VA1000	1,000 FT	35.000 LB	GRAY, DEC		CAT5E 4PR F/UTP CMR RIB
1533R F2V1000	1,000 FT	34.000 LB	GRAY, DEC	C	CAT5E 4PR F/UTP CMR REEL
1533R F2V1640	1,640 FT	57.400 LB	GRAY, DEC	С	CAT5E 4PR F/UTP CMR REEL
1533R 002A1000	1,000 FT	35.000 LB	RED	С	CAT5E 4PR F/UTP CMR RIB
1533R 0021000	1,000 FT	34.000 LB	RED	С	CAT5E 4PR F/UTP CMR REEL
1533R 003A1000	1,000 FT	35.000 LB	ORANGE	С	CAT5E 4PR F/UTP CMR RIB
1533R 0031000	1,000 FT	34.000 LB	ORANGE	С	CAT5E 4PR F/UTP CMR REEL
1533R 004A1000	1,000 FT	35.000 LB	YELLOW	С	CAT5E 4PR F/UTP CMR RIB
1533R 0041000	1,000 FT	34.000 LB	YELLOW	С	CAT5E 4PR F/UTP CMR REEL
1533R 005A1000	1,000 FT	35.000 LB	GREEN, DARK	С	CAT5E 4PR F/UTP CMR RIB
1533R 0051000	1,000 FT	34.000 LB	GREEN, DARK	С	CAT5E 4PR F/UTP CMR REEL
1533R 006A1000	1,000 FT	35.000 LB	BLUE, LIGHT		CAT5E 4PR F/UTP CMR RIB
1533R 0061000	1,000 FT	34.000 LB	BLUE, LIGHT	С	CAT5E 4PR F/UTP CMR REEL
1533R 010A1000	1,000 FT	35.000 LB	BLACK		CAT5E 4PR F/UTP CMR RIB
1533R 0101000	1,000 FT	34.000 LB	BLACK	С	CAT5E 4PR F/UTP CMR REEL

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-06-2013

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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.