

1533P 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, Plenum-CMP, Premise Horizontal Cable, 24 AWG solid bare copper conductors, FEP insulation, overall Beldfoil® shield, Flamarrest® jacket, RJ-45 compatible

Suitable Applications:	Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, Noisy Environments, 100MHz Category 5e
Physical Characteristics (Overall)	
Conductor AWG:	
# Pairs AWG Stranding Conductor Material 4 24 Solid BC - Bare Copper	
Total Number of Conductors:	8
nsulation	
Insulation Material Insulation Material	
FEP - Fluorinated Ethylene Propylene	
Duter Shield	
Outer Shield Material:	
Outer Shield Trade Name Type Outer Shield Mater Beldfoil® Tape Aluminum Foil-Polye	
Outer Shield Drain Wire AWG:	
AWG Stranding Drain Wire Conductor Material 24 7x32 TC - Tinned Copper	
Outer Jacket Outer Jacket Material:	
Outer Jacket Trade Name Outer Jacket Material	
Flamarrest® LS PVC - Low Smoke Poly	vinyl Chloride
Outer Jacket Diameter:	
Nom. Dia. (mm) 5.969	
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	
echanical Characteristics (Overall)	
Operating Temperature Range:	0°C To +75°C
Bulk Cable Weight:	50.599 Kg/Km
Max. Recommended Pulling Tension:	111.205 N
Min. Bend Radius/Minor Axis:	25.400 mm
Min. Bend/Installation:	59.690 mm
pplicable Specifications and Agency Com	
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	CMP, UL444
CEC/C(UL) Specification:	CMP

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

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EU Directive 2011/65/EU (ROHS II):	Yes	
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):	01/01/2005	
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:	Category 5e - TIA 568.C.2	
Other Specification:	NEMA WC-63.1 Category 5e	
Flame Test		
UL Flame Test:	NFPA 262	
CSA Flame Test:	FT6	
Plenum/Non-Plenum		
Plenum (Y/N):	Yes	
Non-Plenum Number:	1533R	
lectrical Characteristics (Overall)		
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i ieq. (wiiiz)	Max. Attenuation (ub/100 m)		WIIII. FONEXT (UD)	WIIII. ACK (UD)	MIII. FSACK (UB)		
1	2.0	65.3	62.3	60.3	60.3	20.0	23.0
4	4.1	56.3	53.3	49.2	49.2	23.0	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
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)
1	100 ± 15	100 ± 15	63.8	60.8

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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-C.2, Category 5e.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1533P D15A1000	1,000 FT	37.000 LB	BLUE		CAT5E 4PR F/UTP CMP RIB
1533P D151000	1,000 FT	35.000 LB	BLUE	С	CAT5E 4PR F/UTP CMP REEL
1533P 002A1000	1,000 FT	37.000 LB	RED		CAT5E 4PR F/UTP CMP RIB
1533P 0021000	1,000 FT	35.000 LB	RED	С	CAT5E 4PR F/UTP CMP REEL
1533P 003A1000	1,000 FT	37.000 LB	ORANGE		CAT5E 4PR F/UTP CMP RIB
1533P 0031000	1,000 FT	35.000 LB	ORANGE	С	CAT5E 4PR F/UTP CMP REEL
1533P 004A1000	1,000 FT	37.000 LB	YELLOW		CAT5E 4PR F/UTP CMP RIB
1533P 0041000	1,000 FT	35.000 LB	YELLOW	С	CAT5E 4PR F/UTP CMP REEL
1533P 005A1000	1,000 FT	37.000 LB	GREEN, DARK		CAT5E 4PR F/UTP CMP RIB
1533P 0051000	1,000 FT	35.000 LB	GREEN, DARK	С	CAT5E 4PR F/UTP CMP REEL
1533P 008A1000	1,000 FT	37.000 LB	GRAY		CAT5E 4PR F/UTP CMP RIB
1533P 0081000	1,000 FT	35.000 LB	GRAY	С	CAT5E 4PR F/UTP CMP REEL
1533P 010A1000	1,000 FT	37.000 LB	BLACK		CAT5E 4PR F/UTP CMP RIB
1533P 0101000	1,000 FT	35.000 LB	BLACK	С	CAT5E 4PR F/UTP CMP REEL
1533P 877A1000	1,000 FT	37.000 LB	NATURAL		CAT5E 4PR F/UTP CMP RIB
1533P 8771000	1,000 FT	35.000 LB	NATURAL	С	CAT5E 4PR F/UTP CMP REEL

Notes:

C = CRATE REEL PUT-UP.

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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.