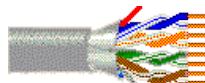


Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

1633A Multi-Conductor - Category 5 Nonbonded-Pair ScTP Cable



For more Information
please call

1-800-Belden1



General Description:

CAT5, 4-Pair, U/UTP-Unshielded, CM Rated, Premise Horizontal Cable, 24 AWG solid bare copper conductors, Polyolefin insulation, overall Beldfoil® Shield, Ripcord, PVC jacket

Usage (Overall)

Suitable Applications:	Premise Horizontal Cable
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Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	24	Solid	BC - Bare Copper

Total Number of Conductors: 8

Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	Solid	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (in.)
0.260

Outer Jacket Ripcord: Yes

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

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Bulk Cable Weight: 28 lbs/1000 ft.

Max. Recommended Pulling Tension: 25 lbs.

Min. Bend Radius/Minor Axis: 1 in.

Min. Bend/Installation: 2.600 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM, UL444

CEC/C(UL) Specification: CM

Detailed Specifications & Technical Data



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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):	01/01/2004
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:	568 TSB 36, Category 5
Other Specification:	UL verified to TSB 36, Category 5

Flame Test

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT1

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Mutual Capacitance:

Capacitance (pF/ft)
15

Maximum Capacitance Unbalance (pF/100 m):	330
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Nominal Velocity of Propagation:

VP (%)
67

Maximum Delay:

Delay (ns/100 m)
538 @ 100MHz

Max. Delay Skew:

Delay Skew (ns/100 m)
45

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
9.38

Max. Operating Voltage - UL:

Voltage
300 V RMS

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)
5

Electrical Characteristics-Premise (Overall)

Premise Cable Electricals:

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. SRL (dB)	Fitted Imp. (Ohms)
1	2.0	62.3	No Spec	No Spec	100 ± 15%
4	4.1	53.3	No Spec	No Spec	100 ± 15%
8	5.8	48.8	No Spec	No Spec	100 ± 15%
10	6.5	47.3	No Spec	No Spec	100 ± 15%
16	8.2	44.3	No Spec	No Spec	100 ± 15%
20	9.3	42.8	No Spec	No Spec	100 ± 15%
25	10.4	41.3	No Spec	No Spec	100 ± 15%
31.25	11.7	39.9	No Spec	No Spec	100 ± 15%
62.5	17.0	35.4	No Spec	No Spec	100 ± 15%
100	22.0	32.3	No Spec	No Spec	100 ± 15%

Notes (Overall)

Notes: Not compatible with RJ-11/12/45 telephone plugs. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-TSB 36, Category 5.

Put Ups and Colors:

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
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Revision Number: 1 Revision Date: 02-06-2013

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