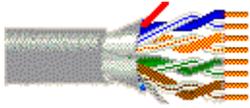


## 1633A Multi-Conductor - Category 5 Nonbonded-Pair ScTP Cable



For more Information  
please call

1-800-Belden1



### Description:

24 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, overall Beldfoil® Shield, drain wire, rip cord, see color code chart (below), PVC jacket (gray or blue).

### Usage (Overall)

**Suitable Applications:** Premise Horizontal Cable

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

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

#### 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 Ripcord:** Yes

### Overall Cabling

**Overall Nominal Diameter:** 0.260 in.

### 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 (Install)/Minor Axis:** 1 in.

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

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM, UL444
CEC/C(UL) Specification:	CM
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
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Maximum Capacitance Unbalance (pF/100 m):	330
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#### Nominal Velocity of Propagation:

VP (%)	67
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#### Maximum Delay:

Delay (ns/100 m)	538 @ 100MHz
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#### Max. Delay Skew:

Delay Skew (ns/100 m)	45
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#### Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)	9.38
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#### Max. Operating Voltage - UL:

Voltage	300 V RMS
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#### Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)	5
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### 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%

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

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:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1633A F2VU1000	1,000 FT	30.000 LB	GRAY, DEC	Z	4 TW PR FS PVC
1633A F2V1000	1,000 FT	32.000 LB	GRAY, DEC	C Z	4 TW PR FS PVC
1633A 006U1000	1,000 FT	30.000 LB	BLUE, LIGHT	Z	4 TW PR FS PVC
1633A 0061000	1,000 FT	32.000 LB	BLUE, LIGHT	C Z	4 TW PR FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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