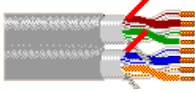


1668A Multi-Conductor - Category 5 Nonbonded-Pair ScTP Cable



For more Information
please call

1-800-Belden1



General Description:

CAT5, Siamese 2X4-Pair, F/UTP-Foil shielded, CM Rated, Premise Horizontal Cable, 24 AWG solid bare copper conductors, Polyolefin insulation, overall Beldfoil® shield, Ripcord, PVC jacket with polarity rib.

Usage (Overall)

Suitable Applications: Premise Horizontal Cable

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
8	24	Solid	BC - Bare Copper

Total Number of Conductors: 16

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 Cable

Overall Nominal Diameter: 13.157 x 6.452 mm

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 +75°C

Bulk Cable Weight: 89.292 Kg/Km

Max. Recommended Pulling Tension: 222.410 N

Min. Bend Radius/Minor Axis: 60.960 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM, UL444

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

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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:	Each Leg ETL 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/m)

49.215

Maximum Capacitance Unbalance (pF/100 m): 330

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: Leg One = 4pr Cat 5, Leg Two = 4pr Cat 5, Color code and shielding applies to both legs, A polarity rib is applied to one leg. Not Compatible with RJ11/12/45 Connectors. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-TSB 36, Category 5 (Leg 1 & 2).

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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METRIC MEASUREMENT VERSION

1668A Multi-Conductor - Category 5 Nonbonded-Pair ScTP Cable

1668A F6H1000	1,000 FT	70.000 LB	GRAY, DARK PEARL	C Z	CAT5 2X4PR F/UTP CM REEL
1668A F6H1640	1,640 FT	108.240 LB	GRAY, DARK PEARL	C N	CAT5 2X4PR F/UTP CM REEL

Notes:

C = CRATE REEL PUT-UP.

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

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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