



## 1351A

**Part Number:** 1351A

Category 6 Nonbonded-Pair ScTP Cable

## Product Description

CAT6 (350MHz), 4-Pair, F/UTP-Foil Shielded, Riser-CMR, Premise Horizontal Cable, 23 AWG Solid Bare Copper Conductors, Polyolefin Insulation, Polyester Separator, Overall Beldfoil Shield, PVC Jacket

## Product Specifications

### Application

**Suitable Applications:**

Networking Horizontal Cable, 1000Base-T (Gigabit Ethernet), 100Base-T (Fast Ethernet), 10Base-T (Ethernet), 100BaseVG, ANYLAN, 155ATM, 622ATM, ANSI.X3.263 FDDI TP-PMD, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, Noisy Environments, 250 MHz Category 6

### Cabling<sup>1</sup>

**Cabling<sup>1</sup>, Filler:**

Patented Central X-spline

## Technical Specifications

### APAC Standard

**Mil Order #39 (China RoHS):**

Yes

### Applicable Patents

**Country:**

US

**Patent:**

7663061

### Bend Radius

**Min Bend Radius/Minor Axis:**

3 in

**Min Bend Radius/Installation:**

3 in

## CCB-Part Number

Notes:	Jacket sequentially marked at 2 ft. intervals. Third party Verified to ANSI/TIA-568-C.2, Category 6. Values above 350 MHz are for Engineering Information Only.
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## CCB-Sub-Part Number

Plenum (Y/N):	No
Plenum Number:	1352A

## Contact Information

PHONE_NUM:	1-800-Belden1
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## EMEA Standard

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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## Environmental Characteristics

Operating Temp Range:	-20°C To +75°C
Storage Temp Range:	-20°C To +75 °C
Installation Temp Range:	0°C To +60 °C

## EU Directive

EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2007-05-24

## Global Standard

Telecommunications Standards:	ANSI/TIA/EIA 568 C.2 Category 6
ISO/IEC Compliance:	11801 ed 2.1 (2008) Class E

## North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMR
NEC/(UL) Specification:	CMR

## Safety

UL Flammability:	UL1666 Riser
C(UL) Flammability:	FT4
CSA Flammability:	FT4

## Use

Max Recommended Pulling Tension:	25 lbs
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## Conductor DCR:

Max. Conductor DCR	Max. DCR Unbalance
8.2 Ohm/100m	3 %

## Color Chart 1:

Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

## Delay:

Frequency [MHz]	Max. Delay	Max. Delay Skew	Nominal Velocity of Propagation (VP)
100 MHz	537 ns/100m	30 ns/100m	68 ns/100m

## Voltage:

UL Voltage Rating
300V RMS

## High Freq:

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT	Min. PSNEXT	Min. ACR	Min. PSACR	Min. ACRF (ELFEXT)	Min. PSACRF (PSELFEXT)	Min. RL (Return Loss)	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1 MHz	2 db/100m	74.3 dB	72.3 dB	72.3 dB	70.3 dB	70 dB	68 dB	20 dB	100 ± 15 Ohm	100 ± 15 Ohm
4 MHz	3.8 db/100m	65.3 dB	63.3 dB	61.5 dB	59.5 dB	58 dB	56 dB	23 dB	100 ± 15 Ohm	100 ± 15 Ohm
8 MHz	5.3 db/100m	60.8 dB	58.8 dB	55.5 dB	53.5 dB	51.9 dB	49.9 dB	24.5 dB	100 ± 15 Ohm	100 ± 15 Ohm

10 MHz	6 db/100m	59.3 dB	57.3 dB	53.3 dB	51.3 dB	50 dB	48 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm
16 MHz	7.6 db/100m	56.2 dB	54.3 dB	48.6 dB	46.6 dB	45.9 dB	43.9 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm
20 MHz	8.5 db/100m	54.8 dB	52.8 dB	46.3 dB	44.3 dB	44 dB	42 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm
25 MHz	9.5 db/100m	53.3 dB	51.3 dB	43.8 dB	41.8 dB	42 dB	40 dB	24.3 dB	100 ± 15 Ohm	100 ± 15 Ohm
31.25 MHz	10.7 db/100m	51.9 dB	49.9 dB	41.2 dB	39.2 dB	40.1 dB	38.1 dB	23.6 dB	100 ± 15 Ohm	100 ± 15 Ohm
62.5 MHz	15.4 db/100m	47.4 dB	45.4 dB	32 dB	30 dB	34.1 dB	32.1 dB	21.5 dB	100 ± 15 Ohm	100 ± 15 Ohm
100 MHz	19.8 db/100m	44.3 dB	42.3 dB	24.5 dB	22.5 dB	30 dB	28 dB	20.1 dB	100 ± 15 Ohm	100 ± 15 Ohm
155 MHz	25.2 db/100m	41.5 dB	39.5 dB	16.2 dB	14.2 dB	26.2 dB	24.2 dB	18.8 dB	100 ± 22 Ohm	100 ± 15 Ohm
200 MHz	29 db/100m	39.8 dB	37.8 dB	10.8 dB	8.8 dB	24 dB	22 dB	18 dB	100 ± 22 Ohm	100 ± 15 Ohm
250 MHz	32.8 db/100m	38.3 dB	36.3 dB	5.5 dB	3.5 dB	22 dB	20 dB	17.3 dB	100 ± 32 Ohm	100 ± 15 Ohm
300 MHz	36.4 db/100m	37.1 dB	35.1 dB	0.7 dB		20.5 dB	18.5 dB	16.8 dB	100 ± 32 Ohm	100 ± 15 Ohm
350 MHz	39.8 db/100m	36.1 dB	34.1 dB			19.1 dB	17.1 dB	16.3 dB	100 ± 32 Ohm	100 ± 15 Ohm
400 MHz	43 db/100m	35.3 dB	33.3 dB			18 dB	16 dB	16 dB		
500 MHz	48.9 db/100m	33.8 dB	31.8 dB			16 dB	14 dB	15.2 dB		
650 MHz	57.2 db/100m	32.1 dB	30.1 dB					14.4 dB		

**Capacitance:**

Max. Capacitance Unbalanced	Nominal Mutual Capacitance
66 pF/m	14 pF/ft

**Insulation:**

Material
PO - Polyolefin

**Outerjacket 1:**

Material	Nominal Diameter	Ripcord	Separator Material
PVC - Polyvinyl Chloride	0.29 mm	Yes	Polyester Tape

**Conductor:**

AWG	Stranding	Material	No. of Pairs
23	Solid	BC - Bare Copper	4

**Outershield 1:**

Type	Material	Material Trade Name	Coverage	Drainwire Material	Drainwire AWG	Drainwire ConstructionNXD
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	Solid mm

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