

1351A Multi-Conductor - Category 6 Nonbonded-Pair ScTP Cable



For more Information
please call

1-800-Belden1



General 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

Usage (Overall)

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

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	23	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	100.000

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.)
0.290

Outer Jacket Ripcord:

Yes

Overall Cable

Overall Cabling Fillers:

Patented Central Cross Web

Overall Cabling Separator Material:

Polyester

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Storage Temperature Range: -20°C To +75°C

Installation Temperature Range: 0°C To +60°C

Operating Temperature Range: -20°C To +75°C

Bulk Cable Weight: 44 lbs/1000 ft.

Max. Recommended Pulling Tension: 25 lbs.

Min. Bend Radius/Minor Axis: 3 in.

1351A Multi-Conductor - Category 6 Nonbonded-Pair ScTP Cable

Min. Bend/Installation: 3 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR, UL444
CEC/C(UL) Specification:	CMR
EU Directive 2011/65/EU (ROHS II):	Yes
Other Standards:	ISO/IEC 11801 ed 2.1 (2008) Class E
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):	05/24/2007
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 6 - TIA 568.C.2

Applicable Patents:

Country
www.belden.com/p

Flame Test

UL Flame Test:	UL1666 Vertical Riser
C(UL) Flame Test:	FT4
CSA Flame Test:	FT4

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Mutual Capacitance:

Capacitance (pF/ft)
14.000

Maximum Capacitance Unbalance:

Capacitance (pF/ft)
66.000

Nominal Velocity of Propagation:

VP (%)
68.000

Maximum Delay:

Description	Delay (ns/100 m)
@ 100 MHz	537.000

Max. Delay Skew:

Delay Skew (ns/100 m)
30.000

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
8.200

Max. Operating Voltage - UL:

Voltage
300 V RMS

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)
3.000

Electrical Characteristics-Premise (Overall)

Premise Cable Electrical Table 1:

Freq. (MHz) Max. Attenuation (dB/100 m) Min. NEXT (dB) Min. PSNEXT (dB) Min. ACR (dB) Min. PSACR (dB) Min RL (dB)

1351A Multi-Conductor - Category 6 Nonbonded-Pair ScTP Cable

1	2.000	74.3	72.3	72.3	70.3	20.000
4	3.800	65.3	63.3	61.5	59.5	23.000
8	5.300	60.8	58.8	55.5	53.5	24.500
10	6.000	59.3	57.3	53.3	51.3	25.000
16	7.600	56.2	54.3	48.6	46.6	25.000
20	8.500	54.8	52.8	46.3	44.3	25.000
25	9.500	53.3	51.3	43.8	41.8	24.300
31.25	10.700	51.9	49.9	41.2	39.2	23.600
62.5	15.400	47.4	45.4	32.0	30.0	21.500
100	19.800	44.3	42.3	24.5	22.5	20.100
155	25.200	41.5	39.5	16.2	14.2	18.800
200	29.000	39.8	37.8	10.8	8.8	18.000
250	32.800	38.3	36.3	5.5	3.5	17.300
300	36.400	37.1	35.1	0.7		16.800
350	39.800	36.1	34.1			16.300
400	43.000	35.3	33.3			16.000
500	48.900	33.8	31.8			15.200
650	57.200	32.1	30.1			14.400

Premise Cable Electrical Table 2:

Freq. (MHz)	Input (Unfitted) Imp. (Ohms)	Fitted Impedance	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	100 ± 15	100 ± 15	70.0	68.0
4	100 ± 15	100 ± 15	58.0	56.0
8	100 ± 15	100 ± 15	51.9	49.9
10	100 ± 15	100 ± 15	50.0	48.0
16	100 ± 15	100 ± 15	45.9	43.9
20	100 ± 15	100 ± 15	44.0	42.0
25	100 ± 15	100 ± 15	42.0	40.0
31.25	100 ± 15	100 ± 15	40.1	38.1
62.5	100 ± 15	100 ± 15	34.1	32.1
100	100 ± 15	100 ± 15	30.0	28.0
155	100 ± 22	100 ± 15	26.2	24.2
200	100 ± 22	100 ± 15	24.0	22.0
250	100 ± 32	100 ± 15	22.0	20.0
300	100 ± 32	100 ± 15	20.5	18.5
350	100 ± 32	100 ± 15	19.1	17.1
400			18.0	16.0
500			16.0	14.0

Notes (Overall)

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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1351A 0041000	1,000 FT	45.000 LB	YELLOW	C	CAT6 4PR F/UTP CMR REEL
1351A 0061000	1,000 FT	45.000 LB	BLUE, LIGHT	C	CAT6 4PR F/UTP CMR REEL
1351A 0081000	1,000 FT	45.000 LB	GRAY	C	CAT6 4PR F/UTP CMR REEL
1351A 0091000	1,000 FT	45.000 LB	WHITE	C	CAT6 4PR F/UTP CMR REEL

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 02-28-2014

© 2014 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the 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.

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А