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please call

1-800-Belden1



### General Description:

26 AWG solid .017" silver-plated copper conductors, foam HDPE insulation, Duobond® Shield (100% Coverage) + tinned copper braid shield (96% coverage), inner PVC jackets, overall PVC jacket with ripcord.

### Usage (Overall)

Suitable Applications: Central Office wiring for DS3 transmissions

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
24	25H	Solid	SPC - Silver Plated Copper	0.017

Total Number of Conductors: 24

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FHDPE - Foam High Density Polyethylene	.077

#### Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duobond®	Tape	Bonded Aluminum Foil-Polyester Tape - Aluminum Foil	100
2		Braid	TC - Tinned Copper	96

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	0.134

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 0.890 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 419 lbs/1000 ft.

Max. Recommended Pulling Tension: 864 lbs.

Min. Bend Radius (Each Coax): 1.300 in.

Min. Bend Radius (Overall): 8.900 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

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):	10/17/2007
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
Other Specification:	Telcordia Specification GR-139-Core; SBC ENTERPRISE - SBC-002-316-019, ISSUE 4

**Flame Test**

UL Flame Test:	UL1666 Vertical Shaft
C(UL) Flame Test:	FT4

**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

**Plenum/Non-Plenum**

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

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
75

**Nom. Inductance:**

<b>Inductance (µH/ft)</b>
.19

**Nom. Capacitance Conductor to Shield:**

<b>Capacitance (pF/ft)</b>
17.7

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
79

**Nominal Delay:**

<b>Delay (ns/ft)</b>
1.29

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
40

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
5.3

**Max. Attenuation:**

Attenuation (DS3/4) (dB/100 ft.)	Freq. (MHz)	Attenuation (dB/100 ft.)
0	5.000	1.100
0	5.000	1.100
0	10.000	1.500
0	22.500	2.300
0	50.000	3.400
0	100.000	4.990
0	150.000	6.000

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

<b>Other Electrical Characteristic 1:</b>	Impedance tested in accordance with ASTM D-4566 Paragraph 48.2, Option 2 using a 75 Ohm Fixed Bridge and Termination.
<b>Other Electrical Characteristic 2:</b>	RL tested in Accordance with ASTM D-4566 Paragraph 50.3, using a 75 Ohm Fixed Bridge and Termination.
<b>Other Electrical Characteristic 3:</b>	100% Sweep tested

**Minimum Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	150	32

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
735C24 0082000	2,000 FT	1,942.000 LB	GRAY	C	24#25LDPE/FHDLDPPE SH PVC FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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