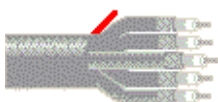


## 734C12 Coax - 734C Series

For more Information  
please call

1-800-Belden1

**Description:**

20 AWG solid .032" silver-plated copper conductors, gas-injected FHDPE insulation, Duobond® + tinned copper braid shield (85% coverage), inner PVC jackets, overall PVC jacket with ripcord.

**Usage (Overall)**

**Suitable Applications:** Central office wiring for DS3 transmission

**Physical Characteristics (Overall)****Conductor**

**AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
12	20	Solid	SPC - Silver Plated Copper	0.032

**Insulation**

**Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	0.148

**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	85

**Inner Jacket**

**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	0.235

**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:** 1.070 in.

**Mechanical Characteristics (Overall)**

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

**Bulk Cable Weight:** 461 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 720 lbs.

**Min. Bend Radius (Each Coax):** 2.400 in.

Min. Bend Radius (Overall):	10.700 in.
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### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
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CEC/C(UL) Specification:	CMG
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/09/2007
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Other Specification:	Telcordia Specification GR-139-CORE; SBC ENTERPRISE - SBC-002-316-019, ISSUE 4
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#### Flame Test

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

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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#### Plenum/Non-Plenum

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

#### Nom. Characteristic Impedance:

Impedance (Ohm)
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75
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#### Nom. Inductance:

Inductance (μH/ft)
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0.097
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#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
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16.800
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#### Nominal Velocity of Propagation:

VP (%)
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80.000
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#### Nominal Delay:

Delay (ns/ft)
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10.000
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
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10.000
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#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
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2.400
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#### Max. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)
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1.000	0.280
5.000	0.590
10.000	0.800
22.500	1.180
50.000	1.820
100.000	2.600
150.000	3.220

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Other Electrical Characteristic 1:** Impedance tested in accordance with ASTM D-4566 paragraph 48.2, option 2 using a 75 ohm fixed bridge and termination.

**Other Electrical Characteristic 2:** RL tested in accordance with ASTM D-4566 paragraph 50.3, using a 75 ohm fixed bridge and termination.

**Other Electrical Characteristic 3:** 100% Sweep tested.

**Minimum Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	150.000	32.000

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734C12 0081000	1,000 FT	531.000 LB	GRAY	C	12#20 LDPE/FHDLDPESHFRPVCFRPVC
734C12 0082000	2,000 FT	1,170.000 LB	GRAY	C	12#20 LDPE/FHDLDPESHFRPVCFRPVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 0    Revision Date: 04-15-2008

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