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### General Description:

20 AWG solid .032" (.81mm) silver-plated copper conductor(s), gas-injected FHDPE insulation, Beldfoil® tinned copper braid shield (85% coverage), overall PVC jackets. (2) of these coax Siamese bonded in parallel.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
2	20	Solid	SPC - Silver Plated Copper	.032

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.148

#### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.235 x 0.485 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	61 lbs/1000 ft.
Max. Recommended Pulling Tension:	120 lbs.
Min. Bend Radius/Minor Axis:	2.500 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:	No
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
MIL Order #39 (China RoHS):	Yes

**Other Specification:** Telcordia Specification GR-139-CORE

**Flame Test**

**UL Flame Test:** UL1666 Vertical Shaft

**CSA Flame Test:** FT4

**Suitability**

**Suitability - Indoor:** Yes

**Plenum/Non-Plenum**

**Plenum (Y/N):** No

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**

75

**Nom. Inductance:**

**Inductance (µH/ft)**

.097

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**

16.8

**Nominal Velocity of Propagation:**

**VP (%)**

80

**Nominal Delay:**

**Delay (ns/ft)**

1.27

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

10

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

2.4

**Max. Operating Voltage - UL:**

**Voltage**

300 V RMS

**Other Electrical Characteristic 1:** Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 OHM fixed bridge and termination.

**Other Electrical Characteristic 2:** RL tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 OHM fixed bridge and termination.

**Minimum Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	95	30

**Sweep Test**

**Sweep Testing:** 100% Sweep Tested 15 - 95 MHz

**Notes (Overall)**

**Notes:** Siamese versions feature zip cord design with printing on one leg.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
734D2 0081000	1,000 FT	63.000 LB	GRAY	C	#20 GIFHDLDPPE SH PVC DUAL
734D2 0084000	4,000 FT	252.000 LB	GRAY		#20 GIFHDLDPPE SH PVC DUAL
734D2 008500	500 FT	34.500 LB	GRAY		#20 GIFHDLDPPE SH PVC DUAL

**Notes:**

C = CRATE REEL PUT-UP.

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