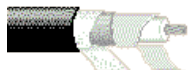


## 9394 Coax - Single-Conductor, High-Impedance Cable



For more Information  
please call

1-800-Belden1



### General Description:

20 AWG stranded (27x34) high-conductivity TC conductor, EPDM rubber insulation, conductive textile (100%) plus TC spiral shields (95% coverage), paper tape, CPE jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	27x34	High Conductivity TC - Tinned Copper	.037

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	0.097

Insulation Resistance: 500 Megohms/1000 ft. @ 500 V DC

#### Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Serve	Conductive Textile	100
2	Spiral Serve	TC - Tinned Copper	95
3	Tape	Paper	100

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
CPE	0.033

#### Overall Cable

Overall Nominal Diameter: 0.190 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	25 lbs/1000 ft.
Max. Recommended Pulling Tension:	28 lbs.
Min. Bend Radius/Minor Axis:	2 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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):	04/01/2005
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

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**  
34

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**  
55

**Maximum Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**  
55

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**  
10.2

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**  
8.7

**Max. Operating Voltage - Non-UL:**

**Voltage**  
300 V RMS

**Max. Recommended Current:**

**Current**  
4 Amps per conductor @ 25°C (10°C rise in temp)

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9394 0101000	1,000 FT	27.000 LB	BLACK	C	#20 EPDM SNGLS CPE

**Notes:**

C = CRATE REEL PUT-UP.

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