

**1190A Coax - CATV Cable**

		<p><b>For more information please call</b> <b>1-800-Belden1</b></p> <p><u><a href="#">See Put-ups and Colors</a></u></p>
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**Description:**

Series 6, 18 AWG solid .040" bare copper-covered steel conductor with Coreguard®, gas-injected foam polyethylene insulation, with Coreguard® and flooding compound, Duobond® IV quad shield (60% and 40% coverage), polyethylene jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
Total Number of Conductors	1
Series Type	Series 6
AWG	18
Stranding	Solid
Conductor Diameter	.040 in.
Conductor Material	BCCS - Bare Copper Covered Steel

**INSULATION:**

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.180 in.

**OUTER SHIELD:**

Outer Shield Material Trade Name	Duobond® IV
Outer Shield Type	Tape/Braid/Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

Outer Shield % Coverage	100 %
Outer Shield Flooding Grease	CoreGuard®

**OUTER JACKET:**

Outer Jacket Material	PE - Polyethylene
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**OVERALL NOMINAL DIAMETER:**

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Overall Nominal Diameter	.298 in.
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-55°C To +80°C
Bulk Cable Weight	29 lbs/1000 ft.
Max. Recommended Pulling Tension	162 lbs.
Min. Bend Radius (Install)	3 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

#### SWEEP TEST:

Sweep Testing	5 MHz - 1 GHz
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#### SUITABILITY:

Suitability - Burial	Yes
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#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 +/- 3 Ohms
Nom. Inductance	.097 µH/ft
Nom. Capacitance Conductor to Shield	16.2 pF/ft
Nominal Velocity of Propagation	83 %
Nominal Delay	1.2 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	2.8 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	4.8 Ohms/1000 ft

#### Minimum Structural Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)
		5	1000	20

Max. Attenuation :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 ft.)
	5			0.67
	55			1.60
	211			2.87
	270			3.24
	300			3.43
	350			3.72
	400			4.00
	450			4.26
	550			4.71
	750			5.59
	870			6.00
	1000			6.54

Max. Operating Voltage - Non-UL 350 V RMS

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1190A 0031000	#18 GIFHDL DPE DBL SH PE	1000	31	ORANGE	C
1190A 0101000	#18 GIFHDL DPE DBL SH PE	1000	30	BLACK	C

C = CRATE REEL PUT-UP.

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