



## 1190A Coax - Broadband Coax CATV Cable



For more information please  
call

1-800-Belden1

See Put-ups and Colors

### Description:

18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield with CoreGuard®, 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:**

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:**

**SWEEP TEST:**

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

Suitability - Burial	Y
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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°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 GIFHDLDP DBL SH PE	1000	33	ORANGE	C
1190A 0101000	#18 GIFHDLDP DBL SH PE	1000	33	BLACK	C

C = CRATE REEL PUT-UP.

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