

9290 Coax - 75 Ohm Coax

		<p style="text-align: center;">For more information please call 1-800-Belden1</p> <p style="text-align: center;"><u>See Put-ups and Colors</u></p>
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Description:

18 AWG solid .037" bare copper conductor, foam polyethylene insulation, double bare copper braid shields (98% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	6/U
AWG	18
Stranding	Solid
Conductor Diameter	.037 in.
Conductor Material	BC - Bare Copper

INSULATION:

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

OUTER SHIELD:

Outer Shield Type	Braid/Braid
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Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1		Braid	BC - Bare Copper	95
2		Braid	BC - Bare Copper	95

Outer Shield % Coverage	98 %
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.288 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
Non-UL Temperature Rating	80°C
Bulk Cable Weight	54 lbs/1000 ft.
Max. Recommended Pulling Tension	108 lbs.

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Min. Bend Radius (Install)	2.8 in.
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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test	UL1685 UL Loading
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SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.098 μ H/ft
Nom. Capacitance Conductor to Shield	17.3 pF/ft
Nominal Velocity of Propagation	81 %
Nominal Delay	1.3 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	7.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	2 Ohms/1000 ft

Minimum Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)
		5	450	23

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
		1		.2
		10		.7
		50		1.7
		100		2.5
		200		3.6
		400		5.0
		700		7.2
		900		8.3
		1000		8.8

Max. Operating Voltage - UL	300 V RMS
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9290 0101000	RG-6/U TYPE COAX	1000	59	BLACK	C
9290 0102000	RG-6/U TYPE COAX	2000	118	BLACK	C

C = CRATE REEL PUT-UP.

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