

Customer Specification

PART NO. 9104

Construction

						Diameter ("in")	
1) Component 1						1 x 1 COAX	
a) Conductor						18 (SOLID) AWG BCW	0.040
b) Insulation						0.065" Wall, Nom. Foam FEP Teflon	0.170
(1) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	NATURAL						
2) Shield:						Alum/Mylar Tape, 25% Overlap (min.)	
a) Foil Direction						Foil Facing Out	
b) Braid						TC,95% Coverage (min.)	
3) Jacket						0.014" Wall, Nom. PVDF	0.232 (0.238 max.)
a) Color(s)						BLACK	
b) Print						ALPHA WIRE-* P/N 9104 RG 6/U TYPE SHIELDED 1C 18 AWG 125C (UL) TYPE CMP OR CATVP C(UL) CMP FT6 CE ROHS * = Factory Code <i>Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.</i>	

Applicable Specifications

1) UL	CMP	125°C
	CATVP	125°C
2) CSA International	C(UL) TYPE CMP	125°C
	FT6	
3) Military	MIL-C-17/RG-6/U Type	
4) CE	EU Low Voltage Directive 2006/95/EC	

Environmental

1) CE: EU Directive 2011/65/EU(RoHS2)	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS Certificate of Compliance .
2) REACH Regulation (EC 1907/2006)	
	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, see Alpha's REACH SVHC Declaration .
3) California Proposition 65	Outer surface materials used in manufacturing this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 125°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	22.2 lbs. max.
Electrical Properties	
	<i>Engineering purposes only</i>
1) Voltage Rating	300 V _{RMS}
2) Characteristic Impedance	75 ω +/- 3
3) Inductance	0.1 μH/ft, Nominal
4) Mutual Capacitance	16.5 pf/ft @1 kHz, Nominal
5) Velocity of Propagation	82%
6) Conductor DCR	16.3 ω/1000ft @20°C, Nominal
7) OA Shield DCR	1.76 ω/1000ft @20°C, Nominal
8) Attenuation, Nom dB/100ft	0.3 @ 1 MHz
	0.66 @ 10 MHz
	1.6 @ 50 MHz
	2.2 @ 100 MHz
	3 @ 200 MHz
	4.6 @ 400 MHz

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 10 x 5 Continuous Length
b) 500 FT	12 x 4.5 x 3.5 Continuous Length
	<i>Spool dimensions may vary slightly.</i>

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Alpha Wire □□□□9104

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Lead	□□□□□□□□□□0.1% (1000 ppm)
Mercury	□□□□□□□□□□0.1% (1000 ppm)
Cadmium	□□□□□□□□□□0.01% (100 ppm)
Hexavalent Chromium	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Biphenyls (PBB)	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE	□□□□□□□□□□0.1% (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	□□□□□□□□□□0.1% (1000 ppm)
Butyl benzyl phthalate (BBP)	□□□□□□□□□□0.1% (1000 ppm)
Dibutyl phthalate (DBP)	□□□□□□□□□□0.1% (1000 ppm)
Diisobutyl phthalate (DIBP)	□□□□□□□□□□0.1% (1000 ppm)

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