

Customer Specification

PART NO. 9178B

Construction

						Diameter ("in")	
1) Component 1						1 x 1 COAX	
a) Conductor						30 (7/38) AWG SCW	0.012
b) Insulation						0.011" Wall, Nom. PTFE	0.034
(1) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	CLEAR						
2) Shield						SPC BRAID Shield, 94% Coverage (min.)	
3) Jacket						0.010" Wall, Nom., FEP	0.071 +/- 0.004
a) Color(s)						NATURAL TAN	

Applicable Specifications

1) Military	MIL-C-17/RG 178B/U	200°C / 750 V _{RMS}
2) 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. Refer to RoHS Certificate Search for more detail.
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	-55 to 200°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	2.15 lbs. max.
Electrical Properties	
<i>Engineering purposes only</i>	
1) Voltage Rating	750 V _{RMS}
2) Characteristic Impedance	50 ω +/- 2
3) Ground Capacitance	29.3 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	70 %
5) Conductor DCR	241 ω /1000ft @20°C, Nominal
6) OA Shield DCR	14.6 ω /1000ft @20°C, Nominal
7) Voltage Withstanding	2 kV, min.
8) Corona Extinction	1 kV, min.
9) Attenuation (max. dB/100ft)	29 @ 400 MHz

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	6.5 x 4 x 2.5 max. 3 separate pieces; Min. length/piece 100 FT.
b) 500 FT	6.5 x 2 x 1.9 max. 2 separate pieces; Min. length/piece 100 FT.
c) 100 FT	2.75 x 2 x 1.125 Continuous Length
d) Bulk (<i>made-to-order</i>)	Max. 3 pieces per 1000 FT/min length 100 FT.
	<i>Spool dimensions may vary slightly.</i>

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure there accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.



☐ Alpha ☐ 2011/65/EU ☐ RoHS2 ☐ 2015/863/EU
RoHS ☐ SJ/T 11364-2014

□□□□

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)

Alpha Wire

Alpha Wire □□□□□□□□

DeBW

