

Customer Specification

PART NO. M4276

Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		22 (SOLID) AWG BCW		0.025	
b) Insulation		Semi-Solid Type A			
(1) Thread		0.035" Polyethylene 1/2" lay			
(2) Dielectric		0.025" Wall, Nom. Polyethylene(PE)		0.146	
(3) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	NATURAL				
2) Shield		BC BRAID Shield,95% Coverage, Min.			
3) Jacket		0.032" Wall, Nom.,Type IIA PVC		0.239+/- 0.004	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N M4276 RG-62A/U TYPE 1C22 SHIELDED EXXXXX (UL) C(UL) CM OR CL2 OR AWM 1478 CE ROHS (SEQ FOOTAGE - 2 FT) * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

Applicable Specifications

1) UL	AWM/STYLE 1478	60°C / 30 V _{RMS}
	CM	60°C
	CL2	60°C
2) CSA International	C(UL) TYPE CM	60°C

3) Military	MIL-C-17 / RG 62A/U Type	80°C / 750 V _{RMS}
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 C of C.
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, please see Alpha's REACH SVHC Declaration.
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	12.4 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	750 V _{RMS}
2) Characteristic Impedance	93 Ω +/- 5
3) Inductance	0.116 μH/ft, Nominal
4) Ground Capacitance	13.5 pf/ft @1 kHz, Nominal
5) Velocity of Propagation	84 %
6) Conductor DCR	41.2 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	2.9 Ω/1000ft @20°C, Nominal
8) Attenuation, Nom dB/100ft	0.3 @ 1 MHz
	0.9 @ 10 MHz
	1.9 @ 50 MHz
	2.7 @ 100 MHz
	3.8 @ 200 MHz

	5.3 @ 400 MHz
	7.3 @ 700 MHz
	8.2 @ 900 MHz
	8.7 @ 1 GHz

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
c) 100 FT	6.5 x 4 x 2.5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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