

Customer Specification

PART NO. 9823

Construction

				Diameters (In)	
1) Component 1		2 X 1 COAX			
a) Conductor		22 (19/34) AWG TC		0.032	
b) Insulation		0.044" Wall, Nom. Polyethylene, Foam		0.120	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	YELLOW	2	BLACK		
2) Cable Assembly		2 Components Cabled			
a) Twists:		4.0 Twists/foot (min)			
b) Core Wrap		Clear Mylar Tape, 25% Overlap, Min.			
3) Shield:		A/P/A Tape, 25% Overlap, Min.			
a) Drain Wire		22 (19/34) AWG TC			
4) Jacket		0.040" Wall, Nom.,PVC		0.329+/- 0.015	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N 9823 RU AWM STYLE 2668 CE ROHS * = Factory Code			

Applicable Specifications

1) UL	AWM/STYLE 2668	60°C / 30 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. 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	-20 to 60°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	17.8 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	30 V _{RMS}
2) Characteristic Impedance	150 Ω +/- 10
3) Mutual Capacitance	8.8 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	78 %
5) Conductor DCR	15.2 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	8.8 Ω/1000ft @20°C, Nominal
7) Attenuation, Max dB/100ft	1.3 @ 10 MHz
	2.3 @ 20 MHz

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 12 x 8 Continuous length
b) 500 FT	12 x 12 x 3.5 Continuous length
c) 100 FT	12 x 4.5 x 3.5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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