

# Customer Specification

## PART NO. M3222

### Construction

				Diameters (In)	
1) Component 1		2 X 1 COND			
a) Conductor		24 (7/32) AWG TC		0.024	
b) Insulation		0.016" Wall, Nom. Polyethylene(PE)		0.056	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	NATURAL		
2) Cable Assembly		2 Components Cabled			
a) Twists:		8.0 Twists/foot (min)			
3) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing Out			
b) Drain Wire		24 (7/32) AWG TC			
4) Jacket		0.020" Wall, Nom.,PVC		0.159 (0.169 Max.)	
a) Color(s)		SLATE			
b) Print		ALPHA WIRE-* P/N M3222 2C 24 AWG EXXXXXX 75C SHIELDED CMG (UL) C(UL) FT4 OR AWM STYLE 2092 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

### Applicable Specifications

1) UL	AWM/STYLE 2092	60°C / 300 V <sub>RMS</sub>
	CMG	75°C
2) CSA International	C(UL) TYPE CMG	75°C
	FT4	
3) 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.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	10.6 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	17.8 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	32 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	87 Ω
5) Inductance	0.22 μH/ft, Nominal
6) Conductor DCR	25 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	19.5 Ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 4.5 x 3.5 Continuous length
b) 500 FT	12 x 4.5 x 3.5 Continuous length
c) 100 FT	6.5 x 2 x 1.9 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

[www.alphawire.com](http://www.alphawire.com)

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