

## Customer Specification

### PART NO. M64818

### Construction

						Diameters (In)		
1) Component 1						4 X 1 COND		
a) Conductor						20 (7/28) AWG Tinned Copper		0.038
b) Insulation						0.006" Wall, Nom. FEP		0.050
(1) Color Code						Alpha Wire Color Code F		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	3	RED					
2	WHITE	4	GREEN					
2) Cable Assembly						4 Components Cabled		
a) Twists:						6.9 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
3) Shield:						Alum/Mylar Tape, 25% Overlap, Min.		
a) Foil Direction						Foil Facing Out		
b) Drain Wire						22 (7/30) AWG Tinned Copper		
4) Jacket						0.010" Wall, Nom., FEP		0.145 (0.153 Max.)
a) Color(s)						SLATE		
b) Print						ALPHA WIRE-* P/N M64818 4C 20 AWG EXXXXXX SHIELDED 150C CMP (UL) C(UL) 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	150°C
2) CSA International	C(UL) TYPE CMP	150°C
	FT6	
3) CE:	EU Low Voltage Directive 2014/35/EU	

## Environmental

1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item.
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.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-80 to 150°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	40 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	30 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	54 pF/ft @1 kHz, Nominal
4) Inductance	0.15 μH/ft, Nominal
5) Conductor DCR	10.2 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	13.7 Ω/1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	10.5 x 5 x 3.5 Continuous length
b) 500 FT	6.5 x 6 x 1.9 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)

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 the 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 WIRE - CONFIDENTIAL AND PROPRIETARY Notice to persons receiving this document and/or technical information. This document is confidential and is the exclusive property of ALPHA WIRE, and is merely on loan and subject to recall by ALPHA WIRE at any time. By taking possession of this document, the recipient acknowledges and agrees that this document cannot be used in any manner adverse to the interests of ALPHA WIRE, and that no portion of this document may be copied or otherwise reproduced without the prior written consent of ALPHA WIRE. In the case of conflicting contractual provisions, this notice shall govern the status of this document. <br /><br />  
©2019 ALPHA WIRE - all rights reserved.



