

Customer Specification

PART NO. 2401C

Construction

						Diameter ("in")	
1) Component 1						2 x 1 COND	
a) Conductor						22 (7/30) AWG Tinned Copper	0.030
b) Insulation						0.016" Wall, Nom. FRPE	0.062
(1) Color Code						Alpha Wire Color Code F	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	2	WHITE				
2) Cable Assembly						2 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						0.020" Wall, Nom. PVC	0.168 (0.178 max.)
a) Color(s)						Slate, Brown	
b) Print						ALPHA WIRE-* P/N 2401C 2C 22 AWG SHIELDED 75C (UL) TYPE CMG OR AWM 2092 ---- C(UL) CMG FT4 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 _{RMS}
	CMG	75°C
	VW-1	
2) CSA International	C(UL) TYPE CMG	75°C
	FT4	
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) California Proposition 65	This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more detail.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	16.5 lbs. (max.)
Electrical Properties	For Engineering purposes only
1) Voltage Rating	300 V _{RMS}
2) Capacitance	23 pF/ft @1 kHz, Nominal Conductor-to-Conductor
3) Ground Capacitance	41 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	72 ω
5) Inductance	0.2 μ H/ft, Nominal
6) Conductor DCR	16.3 ω /1000ft @20°C, Nominal
7) OA Shield DCR	11.7 ω /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) BOX 1000FT	9-1/2 EASY REEL: Continuous Length
b) 1000 FT	12 x 5.94 x 5 Continuous Length
c) 500 FT	10.5 x 5 x 3.5 Continuous Length
d) BOX 500FT	7-5/8 EASY REEL: Continuous Length
e) 328 FT	6.5 x 6 x 1.9 Continuous Length
f) 328 FT	6.5 x 6 x 1.9 Continuous Length
g) 100 FT	6.5 x 2 x 1.9 Continuous Length
	Spool dimensions may vary slightly.
Note	
a) Certain color & put-up combinations for Special only. Minimum order quantity may apply.	

www.alphawire.com

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Alpha Wire □□□□2401C

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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)

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