

Customer Specification

PART NO. 5909/15C

Construction

						Diameter ("in")	
1) Component 1						15 x 1 PAIR	
a) Conductor						22 (SOLID) AWG Tinned Copper	0.025
b) Insulation						0.013" Wall, Nom. PVC	0.051
(1) Color Code						Alpha Wire Color Code K	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	6	BLACK-BROWN	11	RED-YELLOW		
2	BLACK-WHITE	7	BLACK-ORANGE	12	RED-BROWN		
3	BLACK-GREEN	8	RED-WHITE	13	RED-ORANGE		
4	BLACK-BLUE	9	RED-GREEN	14	GREEN-WHITE		
5	BLACK-YELLOW	10	RED-BLUE	15	GREEN-BLUE		
c) Pair						2/Cond Cabled Together	
(1) Twists						8.0 Twists/foot (min.)	
2) Cable Assembly						15 Components Cabled	
a) Twists						2.1 Twists/foot (min.)	
b) Orientation						Components to be arranged from INSIDE LAYER-to-OUTSIDE LAYER	
c) Core Wrap						Clear Mylar Tape, 25% Overlap (min.)	
3) Shield						Alum/Mylar Tape, 25% Overlap (min.)	
a) Foil Direction						Foil Facing In	
b) Drain Wire						22 (7/30) AWG Tinned Copper	
4) Jacket						0.040" Wall, Nom. PVC	0.471 (0.495 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 5909/15C 15PR 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2464 OR C(UL) 75C TYPE 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 2464	80°C / 300 V _{RMS}
	CM	75°C
	VW-1	
2) CSA International	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) 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.
3) 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 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	156 lbs. (max.)
Electrical Properties	
<i>For Engineering purposes only</i>	
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	28 pF/ft @1 kHz, Nominal
3) Ground Capacitance	50 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	76 ω
5) Inductance	0.2 μ H/ft, Nominal
6) Conductor DCR	17.3 ω /1000ft @20°C, Nominal
7) OA Shield DCR	9.2 ω /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous Length
b) 500 FT	18 x 14.25 x 8 Continuous Length
c) 100 FT	12 x 5.94 x 5 Continuous Length
	<i>Spool dimensions may vary slightly.</i>

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