

Customer Specification

PART NO. 2219/12C

Construction

						Diameter ("in")	
1) Component 1						12 x 1 PAIR	
a) Conductor						22 (7/30) AWG Tinned Copper	0.030
b) Insulation						0.010" Wall, Nom. PVC, Semi-Rigid	0.050
(1) Color Code						Alpha Wire Color Code A	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	5	BLACK-BROWN	9	RED-WHITE		
2	BLACK-WHITE	6	BLACK-YELLOW	10	RED-BLUE		
3	BLACK-GREEN	7	BLACK-ORANGE	11	RED-YELLOW		
4	BLACK-BLUE	8	RED-GREEN	12	RED-BROWN		
c) Pair						2/Cond Cabled Together	
(1) Twists						8.0 Twists/foot (min.)	
2) Cable Assembly						12 Components Cabled	
a) Twists						2.4 Twists/foot (min.)	
b) Orientation						Components to be arranged from INSIDE LAYER-to-OUTSIDE LAYER	
3) Shield						Alum/Mylar Tape, 20% Overlap (min.)	
a) Foil Direction						Foil Facing Out	
b) Drain Wire						22 (7/30) AWG Tinned Copper	
4) Jacket						0.035" Wall, Nom. PVC	0.415 (0.437 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 2219/12C 12PR 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- LLXXXXXX CSA 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 2576	80°C / 150 V _{RMS}
	CM	75°C
	VW-1	
2) CSA International	CMG	60°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	137 lbs. (max.)
Electrical Properties	
<i>(For Engineering purposes only)</i>	
1) Voltage Rating	150 V _{RMS}
2) Mutual Capacitance	24.2 pF/ft @1 kHz, Nominal
3) Ground Capacitance	44 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	78 ω
5) Inductance	0.18 μ H/ft, Nominal
6) Conductor DCR	16.6 ω /1000ft @20°C, Nominal
7) OA Shield DCR	10.3 ω /1000ft @20°C, Nominal

Other

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Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous Length
b) 500 FT	18 x 9 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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