

Customer Specification

PART NO. 5640B2201

Construction

						Diameters (In)	
1) Component 1						1 X 1 TRIAD	
a) Conductor						22 (7/30) AWG Bare Copper	0.030
b) Insulation						0.013" Wall, Nom. PVC	0.056
(1) Color(s)							
Triad	Color	Triad	Color	Triad	Color		
1	BLACK-WHITE-RED						
c) Pair						3/Cond Cabled Together	
(1) Twists:						6.9 Twists/foot (min)	
2) Shield:						Alum/Mylar Tape, 25% Overlap, Min.	
a) Foil Direction						Foil Facing In	
b) Drain Wire						22 (7/30) AWG Tinned Copper	
3) Jacket						0.038" Wall, Nom.,PVC	0.201 (0.211 Max.)
a) Color(s)						BLACK	
b) Print						ALPHA WIRE-* P/N 5640B2201 1TRIAD 22 AWG SHIELDED 105C (UL) TYPE PLTC SUN RES OR C(UL) 105C 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	PLTC	105°C
	SUN RES	
2) CSA International	C(UL) TYPE CMG	105°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 information.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	22 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	45 pF/ft @1 kHz, Nominal
3) Ground Capacitance	81 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	50 Ω
5) Inductance	0.19 μH/ft, Nominal
6) Conductor DCR	15.2 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) 1000 FT	12 x 10.5 x 5 Continuous length
b) 500 FT	10.5 x 5 x 3.5 Continuous length
c) 100 FT	6.5 x 4 x 2.5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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