

Customer Specification

PART NO. M5650

Construction

						Diameter ("in")	
1) Component 1						5 x 1 PAIR	
a) Conductor						24 (7/32) AWG Tinned Copper	0.024
b) Insulation						0.010" Wall, Nom. PVC, Semi-Rigid	0.044
(1) Color Code						Alpha Wire Color Code B	
Pair	Color	Pair	Color	Pair	Color		
1	WHITE-BLACK	3	WHITE-RED	5	WHITE-YELLOW		
2	WHITE-BROWN	4	WHITE-ORANGE				
c) Pair						2/Cond Cabled Together	
(1) Twists						9.6 twists/ft. (min.)	
2) Cable Assembly						5 Components Cabled	
a) Twists						4.4 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 Out	
b) Drain Wire						24 (7/32) AWG Tinned Copper	
c) Braid						Tinned Copper, 70% Coverage, Nom.	
4) Jacket						0.063" Wall, Nom., PVC	0.351 (0.369 max.)
a) Color(s)						SLATE	
b) Ripcord						1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N M5650 5PR 24 AWG EXXXXXX SHIELDED 75C CMG (UL) C(UL) OR AWM 2343 CE ROHS * = Factory Code <i>Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.</i>	

Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 1061	80°C / 300 V _{RMS}
b) Overall	CMG	75°C
	AWM/STYLE 2343	80°C / 300 V _{RMS}
2) CSA International	FT4	
	C(UL) TYPE CMG	75°C
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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	43 lbs. max.
Electrical Properties	Engineering purposes only
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	24.4 pF/ft. @1 kHz, Nominal
3) Ground Capacitance	44 pF/ft. @1 kHz, Nominal
4) Characteristic Impedance	77 ω
5) Inductance	0.19 μH/ft., Nominal
6) Conductor DCR	26 ω/1000ft. @20°C, Nominal
7) OA Shield DCR	3.4 ω/1000ft. @20°C, Nominal

Other

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Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 14.25 x 8 Continuous Length
b) 500 FT	13.5 x 10 x 4 Continuous Length
c) 100 FT	12 x 5.94 x 5 Continuous Length
d) Bulk (<i>made-to-order</i>)	
	<i>Spool dimensions may vary slightly.</i>

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