

Customer Specification

PART NO. 5580/2C

Construction

						Diameters (In)	
1) 6	1						_
1) Component 1						2 X 1 COND	
a) Conductor						22 (7/30) AWG Tinned Copper	0.030
b) Insul	ation					0.010" Wall, Nom. PVC, Semi Rigid	0.050
(1) Colo	or Code					Alpha Wire Color Code E	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	2	BROWN				
2) Cable	e Assembly	/				2 Components Cabled	
a) Twist	:s:					8.0 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap						Nonwoven Polyester 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						0.063" Wall, Nom.,PVC	0.234 (0.246 Max.)
a) Color(s)						Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White	
b) Ripcord						1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N 5580/2C 2C 22 AWG XTRAGUARD(R) 1 SHIELDED (UL) TYPE CM 105C OR AWM 2343 80C 300V OR AWM 21895 105C 300V SUN RES 60C OIL VW-1 LLXXXXXX CSA 105C TYPE CMG FT4 CE ROHS (SEQ FOOTAGE) * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]	

Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 10002	105°C / 300 V _{RMS}
b) Overall	AWM/STYLE 21895	105°C / 300 V _{RMS}
	SUN RES	
	60C OIL	
	AWM/STYLE 2343	80°C
	СМ	105°C
	VW-1	
2) CSA International	CMG	105°C
	FT4	
3) IEC	EN 60332-1 Flame Behavior	
	EN 60332-2 Flame Behavior	
4) 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	-35 to 105℃		
2) Bend Radius	10X Cable Diameter		
3) Pull Tension	16.5 Lbs, Maximum		
4) Sunlight Resistance	Yes		
Electrical Properties	(For Engineering purposes only)		
1) Voltage Rating	300 V _{RMS}		
2) Capacitance	38 pF/ft @1 kHz, Nominal Conductor to Conductor		
3) Ground Capacitance	68 pF/ft @1 kHz, Nominal		
4) Characteristic Impedance	49 Ω		
5) Inductance	0.18 μH/ft, Nominal		
6) Conductor DCR	16.3 Ω/1000ft @20°C, Nominal		
7) OA Shield DCR	13.6 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	12 x 5.94 x 5 Continuous length		
c) 100 FT	6.5 x 4 x 2.5 Continuous length		
d) Bulk(Made-to-order)			
	[Spool dimensions may vary slightly]		

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Alpha Wire □□□□5580/2C

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Lead Mercury □□□□□□□□0.1% (1000 ppm) Cadmium Hexavalent Chromium □□□□□□□□0.1% (1000 ppm) Polybrominated Biphenyls (PBB) □□□□□□□□0.1% (1000 ppm) Polybrominated Diphenyl Ethers (PBDE), □□□□□□□□0.1% (1000 ppm) Including Deca-BDE Bis(2-ethylhexyl) phthalate (DEHP) Butyl benzyl phthalate (BBP) Dibutyl phthalate (DBP) □□□□□□□□0.1% (1000 ppm) Diisobutyl phthalate (DIBP)

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ППППППП Dave Watson 2025/9/17