

Customer Specification

PART NO. 58802

Construction

						Diameters (In)	
1) Component 1						2 X 1 PAIR	
a) Conductor						24 (7/32) AWG TC	0.024
b) Insulation						0.007" Wall, Nom. FEP	0.038
(1) Color Code						Alpha Wire Color Code N	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-YELLOW	2	RED-VIOLET				
c) Pair						2/Cond Cabled Together	
(1) Twists:						12.0 Twists/foot (min)	
2) Cable Assembly						2 Components Cabled	
a) Twists:						6.9 Twists/foot (min)	
b) 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						24 (7/32) AWG TC	
4) Jacket						0.011" Wall, Nom.,PVDF	0.154 (0.164 Max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 58802 2PR 24 AWG SHIELDED 125C (UL) TYPE CMP OR C(UL) TYPE CMP FT6 CE ROHS * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]	

Applicable Specifications

1) UL	CMP	125°C
2) CSA International	FT6	
	C(UL) TYPE CMP	125°C
3) CE:	EU Low Voltage Directive 2006/95/EC	

Environmental

1) CE: EU Directive 2011/65/EU(RoHS2):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C .
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. For up-to-date information, please see Alpha's REACH SVHC Declaration .
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-25 to 125°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	17.6 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	150 V _{RMS}
2) Characteristic Impedance	77 ω +/- 10
3) Inductance	0.17 μH/ft, Nominal
4) Mutual Capacitance	20 pF/ft @1 kHz, Nominal
5) Ground Capacitance	36 pF/ft @1 kHz, Nominal
6) Conductor DCR	26 ω/1000ft @20°C, Nominal
7) OA Shield DCR	15.9 ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 4.5 x 3.5 Max. 3 separate pieces; Min length/piece 250 FT.
b) 500 FT	12 x 4.5 x 3.5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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Alpha Wire 000058802

[illegible]

Lead	□□□□□□□□□□0.1% (1000 ppm)
Mercury	□□□□□□□□□□0.1% (1000 ppm)
Cadmium	□□□□□□□□□□0.01% (100 ppm)
Hexavalent Chromium	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Biphenyls (PBB)	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE	□□□□□□□□□□0.1% (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	□□□□□□□□□□0.1% (1000 ppm)
Butyl benzyl phthalate (BBP)	□□□□□□□□□□0.1% (1000 ppm)
Dibutyl phthalate (DBP)	□□□□□□□□□□0.1% (1000 ppm)
Diisobutyl phthalate (DIBP)	□□□□□□□□□□0.1% (1000 ppm)

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