2200 US Highway 27 South
Richmond, IN 47374
Tel: 1-800-52 ALPHA
Web: www.alphawire.com

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□□□ 5905C

Construction

	Diameter ("in")	
1) Component 1	4 x 1 PAIR	
a) Conductor	22 (SOLID) AWG Tinned Copper	0.025
b) Insulation	0.013" Wall, Nom. PVC	0.051
(1) Color Code	Alpha Wire Color Code K	

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN		
2	BLACK-WHITE	4	BLACK-BLUE		

c) Pair	2/Cond Cabled Together	
(1) Twists	8.0 Twists/foot (min.)	
2) Cable Assembly	4 Components Cabled	
a) Twists	4.0 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 In	
b) Drain Wire	22 (7/30) AWG Tinned Copper	
4) Jacket	0.032" Wall, Nom. PVC	0.273 (0.288 max.)
a) Color(s)	SLATE	
b) Print	ALPHA WIRE-* P/N 5905C 4PR 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2464 OR C(UL) 75C TYPE CMG FT4 CE ROHS * = Factory Code *Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.*	

Applicable Specifications

1) UL	AWM/STYLE 2464	80°C / 300 V_{RMS}
	CM	75°C
	VW-1	
2) CSA International	CMG	75°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	46 lbs. (max.)
Electrical Properties	*For Engineering purposes only*
1) Voltage Rating	300 V_{RMS}
2) Mutual Capacitance	30 pF/ft @1 kHz, Nominal
3) Ground Capacitance	54 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	70 ω
5) Inductance	0.2 µH/ft, Nominal
6) Conductor DCR	17.2 ω/1000ft @20°C, Nominal
7) OA Shield DCR	11.8 ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	13.5 x 10 x 4 Continuous Length
b) 500 FT	12 x 10.5 x 5 Continuous Length
c) 100 FT	10.5 x 5 x 3.5 Continuous Length
	Spool dimensions may vary slightly.

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RoHS□□□*SJ/T 11364-2014*□

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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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