

Customer Specification

PART NO. 6372

Construction

						Diameter ("in")	
1) Component 1						25 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 M	
Pair	Color	Pair	Color	Pair	Color		
1	BLUE/WHITE - WHITE/BLUE	10	SLATE/RED - RED/SLATE	19	BROWN/YEL - YELLOW/BRO		
2	ORANGE/W - WHITE/ORAI	11	BLUE/BLACK - BLACK/BLUE	20	SLATE/YELL - YELLOW/SLA		
3	GREEN/WHI - WHITE/GREE	12	ORANGE/BL - BLACK/ORAI	21	BLUE/VIOLE - VIOLET/BLUE		
4	BROWN/WH - WHITE/BRO	13	GREEN/BLA - BLACK/GREE	22	ORANGE/VI - VIOLET/ORA		
5	SLATE/WHI - WHITE/SLAT	14	BROWN/BL - BLACK/BRO	23	GREEN/VIOI - VIOLET/GREI		
6	BLUE/RED - RED/BLUE	15	SLATE/BLAC - BLACK/SLAT	24	BROWN/VIC - VIOLET/BRO		
7	ORANGE/RE - RED/ORANG	16	BLUE/YELL - YELLOW/BL	25	SLATE/VIO - VIOLET/SLAT		
8	GREEN/RED - RED/GREEN	17	ORANGE/YE - YELLOW/OR.				
9	BROWN/RE - RED/BROWN	18	GREEN/YELL - YELLOW/GRI				
c) Pair						2/Cond Cabled Together	
(1) Twists						9.6 Twists/foot (min.)	
2) Cable Assembly						25 Components Cabled	
a) Twists						1.8 Twists/foot (min.)	
b) Orientation						Components to be arranged from INSIDE LAYER-to-OUTSIDE LAYER	
3) Shield						Alum/Mylar Tape, 20% Overlap (min.)	
a) Foil Direction						Foil Facing Out	
b) Drain Wire						24 (7/32) AWG Tinned Copper	
c) Braid						Tinned Copper, 65% Coverage, Nom.	
4) Jacket						0.032" Wall, Nom. PVC	0.523 (0.552 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 6372 25PR 24 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2464 OR C(UL) 60C 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	AWM/STYLE 2464	80°C / 300 V _{RMS}
	CM	75°C
	VW-1	
2) CSA International	C(UL) TYPE CMG	60°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	186 lbs. (max.)
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Characteristic Impedance	75 ω
3) Mutual Capacitance	30 pF/ft @1 kHz, Nominal
4) Ground Capacitance	50 pF/ft @1 kHz, Nominal
5) Conductor DCR	26 ω/1000ft @20°C, Nominal
6) OA Shield DCR	2 ω/1000ft @20°C, Nominal

Other

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Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	30 x 14 x 12 Continuous Length
b) 500 FT	18 x 14.25 x 8 Continuous Length
c) 100 FT	18 x 9 x 8 Continuous Length
	<i>Spool dimensions may vary slightly.</i>

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

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Alpha Wire 6372

Alpha 2011/65/EU RoHS2015/863/EURoHSSJ/T 11364-2014

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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DBW

