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

Customer Specification

PART NO. 470091CY

Construction

						Diameters (mm)	
1) Component 1						9 X 1 COND	
a) Conductor						1.00 (30/0.20) mm^2 Bare Copper	1.26
b) Insulation						0.400 mm Wall, Nom. PVC	2.06+/- 0.10
(1) Print Color						WHITE	
(2) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	BLACK #1	4	BLACK #4	7	BLACK #7		
2	BLACK #2	5	BLACK #5	8	BLACK #8		
3	BLACK #3	6	BLACK #6	9	YELLOW/GI		
c) Cabling						9 COND Cabled	
(1) Twists:						6.4 Twists/meter (min)	
(2) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
(3) Core Wrap						Nonwoven Polyester Tape, 25% Overlap, Min.	
d) Jacket						0.72 mm Wall, Nom.,PVC	9.50+/ 0.30
(1) Color(s)						GREY	
2) Shield						Tinned Copper BRAID Shield,80% Coverage, Min.	
3) Jacket						1.20 mm Wall, Nom.,PVC	12.86 (13.26 Max.)
a) Color(s)						Clear, Grey	
b) Print						ALPHA WIRE-* P/N 470091CY PRO-MET 300/500V 9G1.0MM2 PVC/PVC/TCB/PVC MULTI CORE CONTROL CABLE □ VDE-REG 8770 □ CE ROHS DDDYANN XXXXXXX M * = Factory Code	

Applicable Specifications

1) IEC		
a) Component 1	EN 60228 Conductors, Class 5	
	DIN VDE 0295 Class 5	
2) Other	IEC 60332-1 Flame Behavior	
	DIN EN 50290-2-22 Oil Resistance	
	UV Resistant	
3) CE:	EU Low Voltage Directive 2014/35/EU	

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 2011and the amending Directive 2015/863/EU of 4 June 2015 . 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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 80°C(static), -30 to 70°C (dynamic)
2) Bend Radius	6X Cable Diameter(static), 20X Cable Diameter(dynamic)
3) Sunlight Resistance	Yes
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300/500 V_{RMS}
2) Conductor DCR	19.5 ω/Km @20°C, Max.

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 300 M	24 x 14 x 12 Continuous length
b) 100 M	16 x 11 x 8 Continuous length
c) 50 M	16 x 11 x 8 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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