



Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
 Tel: 1-800-52 ALPHA (25742), Web: www.alphawire.com

Request a Sample

Customer Specification

PART NO. 862002CY

Construction

				Diameters (In)	
1) Component 1		2 X 1 COND			
a) Conductor		20 (19/32) AWG Tinned Copper		0.040	
b) Insulation		0.010" Wall, Nom. PVC, Semi Rigid		0.060	
(1) Color Code		Alpha Wire Color Code D			
Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		
2) Cable Assembly		2 Components Cabled			
a) Twists:		9.6 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:		Flex Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing Out			
b) Drain Wire		26 (7/34) AWG Tinned Copper			
c) Single Serve		Tinned Copper, 90% Coverage, Min.			
4) Jacket		0.040" Wall, Nom., PVC		0.224+/- 0.010	
a) Color(s)		SLATE			
b) Jacket Separator		Tissue Tape, 25% Overlap, Min.			
c) Print		ALPHA WIRE-* P/N 862002CY 2C 20 AWG XTRAGUARD(R) CONTINUOUS FLEX DATA CABLE (UL) TYPE PLTC 105C OR TYPE CM 105C --- C(UL) CMG OR AWM 2661 105C 300V OR AWM 21894 105C 300V SUN RES 60C OIL --- LLXXXXXX CSA AWM I/II A/B FT4 105C 300V 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 2661	105°C / 300 V _{RMS}
	CM	105°C
	AWM/STYLE 21894	105°C / 300 V _{RMS}
	SUN RES	
	60C OIL	
	PLTC	105°C
2) CSA International	AWM I/II A/B	105°C / 300 V _{RMS}
	C(UL) TYPE CMG	105°C
	FT4	
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 2011 and 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.
3) California Proposition 65:	
	Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-10 to 105°C(static), +5 to 105°C (dynamic)
2) Bend Radius	8X Cable Diameter(static), 8X Cable Diameter(dynamic)
3) Pull Tension	24.3 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	48 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	86 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	40 Ω
5) Inductance	0.16 μH/ft, Nominal
6) Conductor DCR	9.4 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	5.3 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 10 x 5 Continuous length
b) 500 FT	12 x 4.5 x 3.5 Continuous length
c) 100 FT	6.5 x 4 x 2.5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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