



□□□ **1243/2C**

Construction

					Diameters ("in")		
1) Component 1						2 X 1 PAIR	
a) Conductor						22 (7/30) AWG Tinned Copper	0.030
b) Ins	b) Insulation					0.009" Wall, Nom. Polypropylene(PP)	0.048
(1) Color(s)							
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	2	GREEN- WHITE				
c) Pai	r					2/Cond Cabled Together	
(1) Tv	vists:					8.0 Twists/foot (min)	
Indivi	dually Applied	ł:					
d) Sh	ield:					Foil Free Alum/Mylar Tape, 25% Overlap, Min.	
(1) Fc	il Direction					Foil Facing In	
(2) Dr	ain Wire					22 (7/30) AWG Tinned Copper	
2) Cable Assembly					2 Components Cabled		
a) Twists					4.8 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) Foi	l Direction					Foil Facing In	
b) Drain Wire					22 (7/30) AWG Tinned Copper		
4) Jac	ket					0.030" Wall, Nom., PVC	0.245 (0.258 max.
a) Color(s)					SLATE		
b) Print						ALPHA WIRE-* P/N 1243/2C 2PR 22 AWG EXXXXXX SHIELDED 75C CMG (UL) C(UL) OR AWM 2717 CE ROHS * = Factory Code Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.	

Applicable Specifications

1) UL	AWM/STYLE 2717	80°C
	CMG	75°C
2) CSA International	FT4	
	C(UL) TYPE CMG	75°C
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	38 lbs, maximum			
Electrical Properties	(For Engineering purposes only)			
1) Voltage Rating	300 V _{RMS}			
2) Mutual Capacitance	27 pF/ft @1 kHz, Nominal			
3) Ground Capacitance	49 pF/ft @1 kHz, Nominal			
4) Characteristic Impedance	57 ω			
5) Inductance	0.17 μH/ft, Nominal			
6) Conductor DCR	16.5 ω/1000ft @20°C, Nominal			
7) Component Shield DCR	14.4 ω/1000ft @20°C, Nominal			
8) 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 5.94 x 5 Continuous length	
c) 100 FT	10.5 x 5 x 3.5 Continuous length	
	Spool dimensions may vary slightly.	

www.alphawire.com

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Alpha Wire □□□□1243/2C

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

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