



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

Customer Specification

PART NO. 45432

Construction

		Diameters (In)							
1) Component 1	2 X 1 COND								
a) Conductor	16 (19/.0117) AWG TC	0.059							
b) Insulation	0.032" Wall, Nom. TPE	0.123							
(1) Color Code	Alpha Wire Color Code E								
Cond	Color	Cond	Color	Cond	Color				
1	BLACK	2	BROWN						
2) Cable Assembly	2 Components Cabled								
a) Twists:	4.0 Twists/foot (min)								
b) Core Wrap	Nonwoven Polyester Tape, 25% Overlap, Min.								
3) Jacket	0.055" Wall, Nom.,TPE	0.360 (0.378 Max.)							
a) Color(s)	Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White								
b) Ripcord	1 End 810 Denier Nylon								
c) Print	ALPHA WIRE-* P/N 45432 2C 16 AWG XTRAGUARD(R) 4 E324185 (UL) TYPE WTTC 90C DRY 1000V OR (UL) TYPE TC 90C DRY 600V OR AWM 20238 125C 600V 16 AWG -- LLXXXXX CSA AWM I/II A/B 125C 600V FT1 P-07-KA070017-MSHA CE (SEQ FOOTAGE) * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]								

Applicable Specifications

1) UL	AWM/STYLE 20238	125°C / 600 V _{RMS}
	TC	90°C / 600 V _{RMS}
	WTTC	90°C / 1000 V _{RMS}
2) CSA International	AWM I/II A/B	125°C / 600 V _{RMS}
	FT1	
3) Other	PENNSYLVANIA BUREAU OF MINE SAFETY APPROVED	
4) CE:	EU Low Voltage Directive 2006/95/EC	

Environmental

1) EU Directive 2002/95/EC(RoHS):	All materials used in the manufacture of this part are compliant with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment under the now annulled Exemption 9A which allowed Deca-BDE. Alpha Wire is working to completely remove PBDE's from all products. Consult Alpha Wire's web site for compliance Date of Manufacture.
2) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-50 to 125°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	41 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	600/1000 V _{RMS}
2) Capacitance	13.9 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Characteristic Impedance	114
4) Inductance	0.2 µH/ft, Nominal
5) Conductor DCR	4.4 /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	

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