



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

Customer Specification

PART NO. 45368

Construction

			Diameters (In)	
1) Component 1	8 X 1 COND			
a) Conductor	16 (19/.0117) AWG TC			0.059
b) Insulation	0.016" Wall, Nom. TPE			0.091
(1) Color Code	Alpha Wire Color Code D			
Cond	Color	Cond	Color	Cond
1	BLACK	4	GREEN	7
2	RED	5	ORANGE	8
3	WHITE	6	BLUE	
2) Cable Assembly	8 Components Cabled			
a) Twists:	3.4 Twists/foot (min)			
b) Core Wrap	Nonwoven Polyester Tape, 25% Overlap, Min.			
3) Shield:	Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction	Foil Facing In			
b) Drain Wire	16 (19/.0117) AWG TC			
4) Jacket	0.055" Wall, Nom.,TPE		0.422 (0.439 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 45368 8C 16 AWG XTRAGUARD(R) 4 (UL) TYPE PLTC 105C OR AWM 20237 125C 300 VOLTS -- LLXXXXX CSA AWM I/II A/B 125C 300 VOLTS 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 20237	125°C / 300 V _{RMS}
	PLTC	105°C
2) CSA International	AWM I/II A/B	125°C / 300 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	184 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	28 pf/ft @ 1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	50 pf/ft @ 1 kHz, Nominal
4) Inductance	0.17 µH/ft, Nominal
5) Conductor DCR	4.4 /1000ft @ 20°C, Nominal
6) OA Shield DCR	3.8 /1000ft @ 20°C, Nominal

Other

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

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