



# Customer Specification

## PART NO. 45447

### Construction

		<b>Diameters (In)</b>			
1) Component 1		7 X 1 COND			
a) Conductor		14 (41/30) AWG TC		0.074	
b) Insulation		0.032" Wall, Nom. TPE		0.138	
(1) Color Code		Alpha Wire Color Code E			
Cond	Color	Cond	Color	Cond	Color
1	BLACK	4	ORANGE	7	BLUE
2	BROWN	5	YELLOW		
3	RED	6	GREEN		
2) Cable Assembly		7 Components Cabled			
a) Twists:		2.4 Twists/foot (min)			
b) Core Wrap		Nonwoven Polyester Tape, 25% Overlap, Min.			
3) Jacket		0.065" Wall, Nom., TPE		0.551 (0.575 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 45447 7C 14 AWG XTRAGUARD(R) 4 E324185 (UL) TYPE WTTC 90C DRY 1000V OR (UL) TYPE TC 90C DRY 600V OR AWM 20238 125C 600V 14 AWG -- LLXXXXX CSA AWM I/II A/B 125C 600V FT1 CE (SEQ FOOTAGE) * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

### Applicable Specifications

1) UL	AWM/STYLE 20238	125°C / 600 V <sub>RMS</sub>
	TC	90°C / 600 V <sub>RMS</sub>
	WTTC	90°C / 1000 V <sub>RMS</sub>
2) CSA International	AWM I/II A/B	125°C / 600 V <sub>RMS</sub>
	FT1	
3) CE:	EU Low Voltage Directive 2006/95/EC	

### Environmental

1) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.
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## Properties

Physical & Mechanical Properties	
1) Temperature Range	-50 to 125°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	225 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600/1000 V <sub>RMS</sub>
2) Capacitance	15.2 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.19 µH/ft, Nominal
4) Conductor DCR	2.8 Ω/1000ft @20°C, Nominal

## Other

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

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