

Customer Specification

PART NO. 45031

Construction

		Diameters (In)			
1) Component 1		1 X 1 PAIR			
a) Conductor		18 (16/30) AWG TC		0.047	
b) Insulation		0.016" Wall, Nom. TPE		0.079	
(1) Color Code		Alpha Wire Color Code B			
Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK				
c) Cabling		2 COND Cabled			
(1) Twists:		5.3 Twists/foot (min)			
2) Core Wrap		Nonwoven Polyester Tape, 25% Overlap, Min.			
3) Jacket		0.045" Wall, Nom., TPE		0.252 (0.263 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 45031 1PR 18 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 <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

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) 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	25 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	16.4 pf/ft @1 kHz, Nominal
3) Characteristic Impedance	93 Ω
4) Inductance	0.18 μH/ft, Nominal
5) Conductor DCR	7.1 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 12 x 3.5 Continuous length
b) 500 FT	12 x 6 x 3.5 Continuous length
c) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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