



Construction

						Diameters (In)	
1) Compo	1) Component 1				10 X 1 COND		
a) Conductor				24 (7/32) AWG TC	0.024		
b) Insulation				0.010" Wall, Nom. PVC	0.044		
(1) Color	(s)						
Cond	Color	Cond	Color	Cond	Color		
1	BROWN	5	GREEN	9	WHITE		
2	RED	6	BLUE	10	BLACK		
3	ORANGE	7	VILOET				
4	YELLOW	8	SLATE				
2) Cable Assembly				10 Components assembled parallel.	0.044 +/- 0.002 x		
						0.440 +/- 0.020	

Applicable Specifications

1) UL	AWM/STYLE 2713	80°C / 150 V _{RMS}	
	VW-1		
2) Military			
a) Component 1	MIL-DTL-16878/1 (Type B)	105°C / 600 V _{RMS}	
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Environmental

1) EU Directive 2011/65/EU(RoHS2):	
	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for ROHS C of C.
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. For up-to-date information, please see <u>Alpha's REACH SVHC Declaration</u> .
3) 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	-55 to 105°C		
2) Bend Radius	10X Cable Diameter		
3) Pull Tension	35 Lbs, Maximum		
Electrical Properties	(For Engineering purposes only)		
1) Voltage Rating	600 V _{RMS}		
2) Capacitance	30 pf/ft @1 kHz, Nominal Conductor to Conductor		
3) Inductance	0.19 μH/ft, Nominal		
4) Conductor DCR	25 Ω/1000ft @20°C, Nominal		

Other

Packaging	Flange x Traverse x Barrel (inches)	
a) 100 FT	11 x 0.5 x 3 Continuous length	
	[Spool dimensions may vary slightly]	

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□□□□□□□□0.1% (1000 ppm) Lead Mercury □□□□□□□□0.01% (100 ppm) Cadmium Hexavalent Chromium □□□□□□□□0.1% (1000 ppm) □□□□□□□□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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