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Customer Specification

PART NO. 3543

Construction

				Diameters (In)	
1) Component 1		30 X 1 COND			
a) Conductor		24 (19/36) AWG TC		0.025	
b) Insulation		0.010" Wall, Nom. PVC		0.045	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	BROWN	11	BROWN	21	BROWN
2	RED	12	RED	22	RED
3	ORANGE	13	ORANGE	23	ORANGE
4	YELLOW	14	YELLOW	24	YELLOW
5	GREEN	15	GREEN	25	GREEN
6	BLUE	16	BLUE	26	BLUE
7	VIOLET	17	VIOLET	27	VIOLET
8	SLATE	18	SLATE	28	SLATE
9	WHITE	19	WHITE	29	WHITE
10	BLACK	20	BLACK	30	BLACK
2) Cable Assembly		30 Components assembled parallel.		0.045 +/- 0.002 x	
				1.350 +/- 0.060	

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}

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 Alpha's REACH SVHC Declaration.
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	112 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Capacitance	32 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.19 µH/ft, Nominal
4) Conductor DCR	23.9 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 100 FT	11 x 1.5 x 3 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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