

Customer Specification

PART NO. 3533

Construction

						Diameters (In)	
1) Component 1						30 X 1 COND	
a) Conductor						22 (19/34) AWG TC	0.032
b) Insulation						0.010" Wall, Nom. PVC	0.052
(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.	0.052 +/- 0.002 x
							1.560 +/- 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	178 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Capacitance	34 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.17 µH/ft, Nominal
4) Conductor DCR	15.1 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 100 FT	11 x 1.75 x 3 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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☐ Alpha ☒ 2011/65/EU ☐ RoHS2 ☐ 2015/863/EU
☐ RoHS ☐ SJ/T 11364-2014

Lead	□□□□□□□□□□0.1% (1000 ppm)
Mercury	□□□□□□□□□□0.1% (1000 ppm)
Cadmium	□□□□□□□□□□0.01% (100 ppm)
Hexavalent Chromium	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Biphenyls (PBB)	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE	□□□□□□□□□□0.1% (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	□□□□□□□□□□0.1% (1000 ppm)
Butyl benzyl phthalate (BBP)	□□□□□□□□□□0.1% (1000 ppm)
Dibutyl phthalate (DBP)	□□□□□□□□□□0.1% (1000 ppm)
Diisobutyl phthalate (DIBP)	□□□□□□□□□□0.1% (1000 ppm)

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