Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742), Web: www.alphawire.com

Customer Specification

PART NO. M3881

Construction

		Diameters (In)
1) Component 1	30 X 1 COND	
a) Conductor	12 (7/.0305) AWG BC	0.092
b) Insulation	0.016" Wall, Nom. PVC/ 0.005" Wall NYLON	0.134
(1) Color Code	Alpha Wire Color Code J	

Cond	Color	Cond	Color	Cond	Color
1	BLACK	11	BROWN/BLACK	21	BROWN/BLUE
2	RED	12	BLACK/RED	22	BLACK/ORANGE
3	BLUE	13	BLUE/RED	23	RED/ORANGE
4	ORANGE	14	ORANGE/RED	24	BLUE/ORANGE
5	YELLOW	15	YELLOW/RED	25	YELLOW/ORANGE
6	BROWN	16	BROWN/RED	26	BROWN/ORANGE
7	RED/BLACK	17	BLACK/BLUE	27	BLACK/YELLOW
8	BLUE/BLACK	18	RED/BLUE	28	RED/YELLOW
9	ORANGE/BLACK	19	ORANGE/BLUE	29	BLUE/YELLOW
10	YELLOW/BLACK	20	YELLOW/BLUE	30	ORANGE/YELLOW

2) Cable Assembly	30 Components Cabled	
a) Twists:	0.9 Twists/foot (min)	
b) Core Wrap	Clear Mylar Tape, 25% Overlap, Min.	
3) Jacket	0.083" Wall, Nom.,PVC	1.029 (1.071 Max.)
a) Color(s)	BLACK	
b) Print	ALPHA WIRE-* P/N M3881 30C 12 AWG EXXXXXX (UL) TYPE TC 600V 90C DRY 75C WET SUN RES DIR BUR CE ROHS * = Factory Code	

Applicable Specifications

1) UL	TC	90°C / 600 V_{RMS}
	SUN RES	
	DIRECT BURIAL	
2) CE:	EU Low Voltage Directive 2006/95/EC	

Environmental

1) CE: EU Directive 2011/65/EU(RoHS2):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. 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	-25 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	1534 Lbs, Maximum
4) Sunlight Resistance	Yes
5) Direct Burial	Yes
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	0.16 µH/ft, Nominal
4) Conductor DCR	1.65 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	48 x 26 x 18 Continuous length
b) 500 FT	36 x 14 x 12 Continuous length
c) 100 FT	24 x 14 x 12 Continuous length
d) Bulk(Made-to-order)	
	[Spool dimensions may vary slightly]

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