



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

Customer Specification

PART NO. M3189

Construction

			Diameters (In)				
1) Component 1		19 X 1 PAIR					
a) Conductor		24 (7/32) AWG TC			0.024		
b) Insulation		0.010" Wall, Nom. PVC, Semi Rigid			0.044		
(1) Color Code		Alpha Wire Color Code K					
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	8	RED-WHITE	15	GREEN-BLUE		
2	BLACK-WHITE	9	RED-GREEN	16	GREEN-YELLOW		
3	BLACK-GREEN	10	RED-BLUE	17	GREEN-BROWN		
4	BLACK-BLUE	11	RED-YELLOW	18	GREEN-ORANGE		
5	BLACK-YELLOW	12	RED-BROWN	19	WHITE-BLUE		
6	BLACK-BROWN	13	RED-ORANGE				
7	BLACK-ORANGE	14	GREEN-WHITE				
c) Pair		2/Cond Cabled Together					
(1) Twists:		9.6 Twists/foot (min)					
2) Cable Assembly		19 Components Cabled					
a) Twists:		2.3 Twists/foot (min)					
b) Core Wrap		Clear Mylar Tape, 25% Overlap, Min.					
3) Shield:		Alum/Mylar Tape, 25% Overlap, Min.					
a) Foil Direction		Foil Facing In					
b) Drain Wire		24 (7/32) AWG TC					
4) Jacket		0.032" Wall, Nom.,PVC		0.432 (0.457 Max.)			
a) Color(s)		SLATE					
b) Ripcord		1 End 810 Denier Nylon					
c) Print		ALPHA WIRE-* P/N M3189 19PR 24 AWG EXXXXXX SHIELDED 75C CMG (UL) C(UL) OR AWM 2464 CE ROHS * = Factory Code					
<i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>							

Applicable Specifications

1) UL	CMG	75°C
	AWM/STYLE 2464	80°C / 300 V _{RMS}
2) CSA International	C(UL) TYPE CMG	75°C
	FT4	
3) 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	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	137 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	23.1 pf/ft @1 kHz, Nominal
3) Ground Capacitance	42 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	82 Ω
5) Inductance	0.19 μH/ft, Nominal
6) Conductor DCR	26 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	13.4 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous length
b) 500 FT	18 x 12 x 8 Continuous length
c) 100 FT	12 x 10 x 5 Continuous length
d) Bulk(Made-to-order)	<i>[Spool dimensions may vary slightly]</i>

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