



Customer Specification

PART NO. M9620010

Construction

		Diameters (In)			
1) Component 1		1 X 1 TRIAD			
a) Conductor		20 (7/.0121) AWG BC			
b) Insulation		0.016" Wall, Nom. PVC		0.068	
(1) Color(s)					
Triad	Color	Triad	Color	Triad	Color
1	BLACK-WHITE-RED				
c) Pair		3/Cond Cabled Together			
(1) Twists:		6.0 Twists/foot (min)			
(2) Core Wrap		Clear Mylar Tape, 25% Overlap, Min.			
d) Cabling		1 TRIAD Cabled			
(1) Core Wrap		Clear Mylar Tape, 25% Overlap, Min.			
2) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing In			
b) Drain Wire		22 (7/30) AWG TC			
3) Jacket		0.038" Wall, Nom.,PVC		0.230 (0.241 Max.)	
a) Color(s)		BLACK			
b) Ripcord		1 End 810 Denier Nylon			
c) Print		ALPHA WIRE-* P/N M9620010 1TRIAD 20 AWG SHIELDED EXXXXX (UL) TYPE PLTC/ITC 105C SUN RES OR CL3 105C OR C(UL) CMG 105C FT4 ROHS * = Factory Code			

Applicable Specifications

1) UL	ITC	105°C
	SUN RES	
	PLTC	105°C
	CL3	105°C
2) CSA International	C(UL) TYPE CMG	105°C
	FT4	

Environmental

1) EU Directive 2002/95/EC(RoHS):	All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
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Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	30 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	43 pf/ft @1 kHz, Nominal
3) Ground Capacitance	77 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	51
5) Inductance	0.19 µH/ft, Nominal
6) Conductor DCR	10.5 /1000ft @20°C, Nominal
7) OA Shield DCR	11.8 /1000ft @20°C, Nominal

Other

1) Packaging	
a) 1000 FT	
b) 500 FT	
c) 100 FT	
d) Bulk(Made-to-order)	

www.alphawire.com

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

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:M9620010

M9620010 , RoHS-Compliant Commencing With1/1/2006Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.***

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE)	0.1% by weight (1000 ppm)
Including Deca-BDE	0.1% by weight (1000 ppm)

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Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering &QA

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