

Customer Specification

PART NO. 9852C

Construction

						Diameters ("in")	
1) Component 1						3 x 1 PAIR	
a) Conductor						22 (7/30) AWG TC	0.030
b) Insulation						0.017" Wall, Nom. Foam HDPE	0.064
(1) Color(s)							
Pair	Color	Pair	Color	Pair	Color		
1	GREEN-BLUE	2	YELLOW-ORANGE	3	WHITE-BROWN		
c) Pair						2/Cond Cabled Together	
(1) Twists						9.2 Twists/FT (min.)	
Individually Applied							
d) Shield						Alum/Mylar Tape, 25% Overlap (min.)	
(1) Foil Direction						Foil Facing Out	
2) Component 2						1 x 1 PAIR	
a) Conductor						20 (7/28) AWG TC	0.038
b) Insulation						0.010" Wall, Nom. PVC, Semi-Rigid	0.058
(1) Color(s)							
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED						
c) Pair						2/Cond Cabled Together	
(1) Twists						9.6 Twists/foot (min.)	
Individually Applied							
d) Shield						Alum/Mylar Tape, 25% Overlap (min.)	
(1) Foil Direction						Foil Facing Out	
3) Cable Assembly						4 Components Cabled	
a) Twists						3.2 Twists/foot (min.)	
4) Shield						A/P/A Tape, 25% Overlap (min.)	
a) Drain Wire						22 (7/30) AWG TC	
b) Braid						TC,94% Coverage (min.)	
5) Jacket						0.032" Wall, Nom., PVC	0.375 (0.391 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 9852C 3PR 22AWG 1PR 20AWG SHIELDED 75C (UL) CM OR AWM 2919 LOW VOLTAGE COMPUTER CABLE OR C(UL) CMG FT4 CE ROHS SEQ FOOTAGE * = Factory Code <i>Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.</i>	

Applicable Specifications

1) UL	CM	75°C
	AWM/STYLE 2919	80°C / 30 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. Refer to the RoHS Certificate of Compliance for more detail.
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	Outer surface materials used in manufacturing 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	66 lbs. max.
Electrical Properties	
	<i>Engineering purposes only</i>
1) Voltage Rating	300 V _{RMS}
2) Component 1	
a) Characteristic Impedance	78 ω +/- 5
b) Inductance	0.21 μ H/ft., Nominal
c) Mutual Capacitance	16.7 pf/ft. @1 kHz, Nominal
d) Ground Capacitance	29.5 pf/ft. @1 kHz, Nominal
e) Velocity of Propagation	78%
f) Conductor DCR	16.7 ω /1000ft @20°C, Nominal
g) Attenuation, Max dB/100ft.	2.32 @ 10 MHz
3) Component 2	
a) Inductance	0.17 μ H/ft., Nominal
b) Mutual Capacitance	45 pf/ft. @1 kHz, Nominal
c) Conductor DCR	11.6 ω /1000ft @20°C, Nominal
4) OA Shield DCR	1.5 ω /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	20 x 11 x 8 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

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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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