ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6033C	**Issue: 6**
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	Effective Date: 5/8/2009

A. Construction — **Diameters (In)**

1) Component 1 — 3 X 1 PAIR
   a) Conductor — 20 (7/28) AWG TC
   b) Insulation — 0.013" Wall, Nom. Polypropylene(PP) — 0.064
      (1) Color Code — Alpha Wire Company Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	2	BLACK-WHITE	3	BLACK-GREEN

   c) Pair — 2/Cond Cabled Together
      (1) Twists: — 6.9 Twists/foot (min)

   Individually Applied:

   d) Shield: — Foil Free Alum/Mylar Tape, 25% Overlap, Min.
      (1) Foil Direction — Foil Facing In
      (2) Drain Wire — 22 (7/30) AWG TC

2) Cable Assembly — 3 Components Cabled
   a) Twists: — 3.2 Twists/foot (min)
   b) Core Wrap — Clear Mylar Tape, 25% Overlap, Min.
3) Jacket — 0.047" Wall, Nom.,PVC — 0.349 (0.364 Max.)
   a) Color(s) — SLATE
   b) Print — ALPHA WIRE-* P/N 6033C 3PR 20 AWG
   SHIELDED 75C (UL) TYPE CMG OR AWM 2493 ---
   C(UL) CMG FT4 ROHS
   * = Factory Code

B. Industry Approvals

1) UL	AWM/STYLE 2493	60°C
	CMG	75°C
	VW-1	
2) CSA International	C(UL) TYPE CMG	75°C
	FT4	

3) 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.
4) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

1) Temperature Range — -20 to 75°C
2) Bend Radius — 10X Cable Diameter
3) Pull Tension — 69 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating — 300 V_{RMS}
2) Characteristic Impedance — 61 Ω
3) Inductance — 0.18 µH/ft, Nominal
4) Mutual Capacitance — 25 pf/ft @1 kHz, Nominal
5) Ground Capacitance — 45 pf/ft @1 kHz, Nominal
6) Conductor DCR — 10.3 Ω/1000ft @20°C, Nominal
7) Ind. Shield DC Resistance — 13.8 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging
   a) 1000 FT
   b) 500 FT
   c) 100 FT

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