

**ALPHA WIRE COMPANY  
CUSTOMER PRODUCT SPECIFICATION**

<b>Part Number:</b> IN080702	<b>Issue:</b> 1
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	<b>Effective Date:</b> 7/15/2008

**A. Construction**

Diameters

- 1) Component 1 7 X 1 PAIR  
 a) Conductor 22 (19/34) AWG TC  
 b) Insulation 0.016" Wall, Nom. TPE  
 (1) Color(s)

Pair	Color	Pair	Color	Pair	Color
1	BLACK-BROWN	4	BLACK-YELLOW	7	BLACK-GRAY
2	BLACK-RED	5	BLACK-BLUE		
3	BLACK-ORANGE	6	BLACK-GREEN		

- c) Pair 2/Cond Cabled Together  
 Individually Applied:  
 d) Shield: Alum/Mylar Tape, 25% Overlap, Min.  
 (1) Foil Direction Foil Facing In  
 (2) Drain Wire 22 (19/34) AWG TC  
 e) Group Over Wrap: Clear Mylar Tape, 25% Overlap, Min.  
 2) Component 2 7 X 1 PAIR  
 a) Conductor 22 (19/34) AWG TC  
 b) Insulation 0.016" Wall, Nom. TPE  
 (1) Color(s)

Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK	4	WHITE-ORANGE	7	WHITE-BLUE
2	WHITE-BROWN	5	WHITE-YELLOW		
3	WHITE-RED	6	WHITE-GREEN		

- c) Pair 2/Cond Cabled Together  
 Individually Applied:  
 d) Shield: Alum/Mylar Tape, 25% Overlap, Min.  
 (1) Foil Direction Foil Facing In  
 (2) Drain Wire 22 (19/34) AWG TC  
 e) Group Over Wrap: Clear Mylar Tape, 25% Overlap, Min.  
 3) Component 3 1 X 7 COND  
 a) Conductor 14 (41/30) AWG TC  
 b) Insulation 0.031" Wall, Nom. TPE  
 (1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BLACK	4	ORANGE	7	RED/BLACK
2	RED	5	YELLOW		
3	BLUE	6	BROWN		

- c) Cabling 7 COND Cabled  
 (1) Core Wrap Clear Mylar Tape, 25% Overlap, Min.  
 4) Cable Assembly Components 1, 2 & 3 Cabled together with fillers  
 a) Core Wrap SBR Tape, 25% Overlap, Min.  
 5) Inner Jacket 0.075" Wall, Nom., TPE  
 a) Color(s) BLACK  
 6) Reinforcement Nylon Braid  
 7) Outer Jacket 0.085" Wall, Nom., TPE 1.180 (1.240 Max.)  
 a) Color(s) BLACK

**B. Industry Approvals**

- 1) None

**C. Physical & Mechanical Properties**

- 1) Temperature Range -40 to 125°C

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- D. **Electrical Properties** (For Engineering purposes only)  
1) Voltage Rating 600 V<sub>RMS</sub>
- E. **Other**  
1) Packaging – Bulk... made to order

**This Design is custom, Made-To-Order & once accepted, the order is NON-CANCELLABLE & NON-RETURNABLE.**

Accepted By:	Date:
Company:	Title:

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