

**ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 518020	Issue: 1
Page 1 of 1 Pages	Issue Date: 10/28/2009
	Effective Date: 10/28/2009

- A. Construction** Diameters (In)
- 1) Component 1 5 X 1 COND
 - a) Conductor 20 (41/36) AWG TC 0.037
 - b) Insulation 0.016" Wall, Nom. PVC/ 0.005" Wall NYLON 0.079
 - (1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BROWN	3	WHITE	5	RED
2	BLUE	4	BLACK		

- 2) Cable Assembly 5 Components Cabled
- a) Twists: 3.7 Twists/foot (min)
- b) Core Wrap REMY Tape, 25% Overlap, Min.
- 3) Jacket 0.035" Wall, Nom., TPE 0.299 (0.317 Max.)
- a) Color(s) BLACK
- b) Print ALPHA WIRE-* P/N 518020
- RU AWM 20626 90C 600V
- * = Factory Code

- B. Industry Approvals**
- 1) UL
 - a) Component 1 AWM/STYLE 1316 90°C / 600 V_{RMS}
 - b) Overall AWM/STYLE 20626 90°C / 600 V_{RMS}
 - 2) CE: LVD 73/23/EEC Amendment 93/68/EEC

- C. Environmental Approvals**
- 1) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

- D. Physical & Mechanical Properties**
- 1) Temperature Range -25 to 90°C
 - 2) Bend Radius 10X Cable Diameter
 - 3) Pull Tension 40 Lbs, Maximum
 - 4) Sunlight Resistance Yes
- E. Electrical Properties** (For Engineering purposes only)
- 1) Voltage Rating 600 V_{RMS}
 - 2) Capacitance 27 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Inductance 0.21 µH/ft, Nominal
 - 4) Conductor DCR 11.2 Ω/1000ft @20°C, Nominal

- F. Other**
- 1) Packaging
 - a) Bulk(Made-to-order)
 - 2) Notes:
 - a) Lincoln Electric part number E1526.

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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