

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2256
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Issue: 4
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A. Construction

Diameters (In)

- | | | |
|----------------|----------------------------------|-------|
| 1) Component 1 | 2 X 1 COND | |
| a) Conductor | 20 (10/30) AWG TC | |
| b) Insulation | 0.016" Wall, Nom. PVC | 0.069 |
| (1) Color Code | Alpha Wire Company Color Code D1 | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		

- | | | |
|-------------------|--------------------------------------|--------------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 6.0 Twists/foot (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Shield | BC SPIRAL Shield, 95% Coverage, Min. | |
| 4) Jacket | 0.020" Wall, Nom., PVC | 0.191 (0.201 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 2256 | |
| | RU AWM 2095 80C 300V VW-1 ROHS | |
| | * = Factory Code | |

B. Industry Approvals

- | | | |
|-----------------------------------|--|-----------------|
| 1) UL | AWM/STYLE 2095 | 80°C / 300 VRMS |
| 2) 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. | |
| 3) 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 80°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 18.3 Lbs, Maximum |

D. Electrical Properties

- | | |
|---------------------------------|---|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 VRMS |
| 2) Capacitance | 48 pF/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 86 pF/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 47 Ω |
| 5) Inductance | 0.19 μH/ft, Nominal |
| 6) Conductor DCR | 11.5 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 7.9 Ω/1000ft @20°C, Nominal |

E. Other

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

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