

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6824
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Issue: 1
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A. Construction

Diameters (In)

- | | | |
|----------------|--|----------------|
| 1) Component 1 | 1 X 1 HOOKUP | |
| a) Conductor | 20 (7/28) AWG BC | 0.038 |
| b) Insulation | 0.008" Wall, Nom. Modified Polyphenylene Ether | 0.054+/- 0.002 |
| (1) Print | ALPHA WIRE ECOWIRE TM P/N 6824 | |
| (2) Color(s) | 20AWG (0.50MM2) 110C 300V ROHS CE
WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN
ORANGE, GREEN/YELLOW | |

B. Applicable Specifications

- | | | |
|----------|---------------------------------------|---------------------|
| 1) Other | Halogen-Free
Suitable for ISO 6722 | 60 V _{RMS} |
| 2) CE: | LVD 73/23/EEC Amendment 93/68/EEC | |

C. Environmental Compliance

- 1) 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.
- 2) REACH Regulation (EC 1907/2006):
This product does not contain any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.

D. Physical & Mechanical Properties

- | | |
|----------------------|--------------------|
| 1) Temperature Range | -40 to 110°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 8.7 Lbs, Maximum |
- (For Engineering purposes only)

E. Electrical Properties

- | | |
|-------------------|-----------------------------|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Inductance | 0.04 µH/ft, Nominal |
| 3) Conductor DCR | 9.5 Ω/1000ft @20°C, Nominal |

F. Other

- | | |
|------------------------|-------------------------------------|
| 1) Packaging | Flange x Traverse x Barrel (inches) |
| a) 1000 FT | 9 x 4.5 x 3.5 Continuous length |
| b) 100 FT | 3.75 x 2 x 1.75 Continuous length |
| c) Bulk(Made-to-order) | |

[Spool dimensions may vary slightly]

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