

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6830
Page 1 of 1 Pages

Issue: 1
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- A. Construction** Diameters (In)
- | | | |
|----------------|--|----------------|
| 1) Component 1 | 1 X 1 HOOKUP | |
| a) Conductor | 12 (19/25) AWG BC | 0.090 |
| b) Insulation | 0.015" Wall, Nom. Modified Polyphenylene Ether | 0.120+/- 0.002 |
| (1) Print | ALPHA WIRE ECOWIRE TM P/N 6830 | |
| | 12AWG (3.00MM2) 110C 300V ROHS CE | |
| (2) Color(s) | 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 | 48 Lbs, Maximum |
- E. Electrical Properties** (For Engineering purposes only)
- | | |
|-------------------|------------------------------|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Inductance | 0.03 µH/ft, Nominal |
| 3) Conductor DCR | 1.74 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 | 6.5 x 3 x 3.25 Continuous length |
| c) Bulk(Made-to-order) | |
- [Spool dimensions may vary slightly]*

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