



Customer Specification

PART NO. M244816

Construction

| | | | | Diameters (In) | |
|-------------------|-------|---|-------|--------------------|-------|
| 1) Component 1 | | 2 X 1 COND | | | |
| a) Conductor | | 20 (7/28) AWG BC | | 0.038 | |
| b) Insulation | | 0.010" Wall, Nom. PVC, Plenum Rated | | 0.058 | |
| (1) Color(s) | | | | | |
| Cond | Color | Cond | Color | Cond | Color |
| 1 | BLACK | 2 | RED | | |
| 2) Cable Assembly | | 2 Components Cabled | | | |
| a) Twists: | | 8.0 Twists/foot (min) | | | |
| 3) Shield: | | Alum/Mylar Tape, 25% Overlap, Min. | | | |
| a) Foil Direction | | Foil Facing Out | | | |
| b) Drain Wire | | 22 (7/30) AWG TC | | | |
| 4) Jacket | | 0.015" Wall, Nom.,PVC, Plenum Rated | | 0.150 (0.158 Max.) | |
| a) Color(s) | | WHITE | | | |
| b) Print | | ALPHA WIRE-* P/N M244816 2C 20 AWG EXXXXXX 75C CMP (UL) C(UL) ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> | | | |

Applicable Specifications

| | | |
|----------------------|----------------|------|
| 1) UL | CMP | 75°C |
| 2) CSA International | C(UL) TYPE CMP | 75°C |
| | FT6 | |

Environmental

| | |
|-----------------------------------|--|
| 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. |

Properties

| Physical & Mechanical Properties | |
|----------------------------------|---|
| 1) Temperature Range | -20 to 75°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 23 Lbs, Maximum |
| Electrical Properties | |
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 57 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 103 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 38 Ω |
| 5) Inductance | 0.17 μH/ft, Nominal |
| 6) Conductor DCR | 9.6 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 13.7 Ω/1000ft @20°C, Nominal |

Other

| Packaging | Flange x Traverse x Barrel (inches) |
|------------------------|---|
| a) 1000 FT | 12 x 4.5 x 3.5 Continuous length |
| b) 500 FT | 10 x 4 x 3.5 Continuous length |
| c) 100 FT | 6.5 x 2 x 1.9 Continuous length |
| d) Bulk(Made-to-order) | |
| | <i>[Spool dimensions may vary slightly]</i> |

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