



Customer Specification

PART NO. M243173

Construction

| | | | | Diameters (In) | |
|-----------------------|-----------|--|-------------|--------------------|-------------|
| 1) Component 1 | | 3 X 1 PAIR | | | |
| a) Conductor | | 18 (7/26) AWG BC | | 0.048 | |
| b) Insulation | | 0.010" Wall, Nom. PVC, Plenum Rated | | 0.068 | |
| (1) Color Code | | Alpha Wire Color Code A1 | | | |
| Pair | Color | Pair | Color | Pair | Color |
| 1 | BLACK-RED | 2 | BLACK-WHITE | 3 | BLACK-GREEN |
| c) Pair | | 2/Cond Cabled Together | | | |
| (1) Twists: | | 5.3 Twists/foot (min) | | | |
| Individually Applied: | | | | | |
| d) Shield: | | Alum/Mylar Tape, 25% Overlap, Min. | | | |
| (1) Foil Direction | | Foil Facing In | | | |
| (2) Drain Wire | | 20 (7/28) AWG TC | | | |
| 2) Cable Assembly | | 3 Components Cabled | | | |
| a) Twists: | | 3.0 Twists/foot (min) | | | |
| 3) Jacket | | 0.015" Wall, Nom.,PVC, Plenum Rated | | 0.295 (0.307 Max.) | |
| a) Color(s) | | WHITE | | | |
| b) Print | | ALPHA WIRE-* P/N M243173 3PR 18 AWG EXXXXX CMP(UL) C(UL) 75C 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 |

Environmental

Properties

| Physical & Mechanical Properties | |
|----------------------------------|-----------------------------|
| 1) Temperature Range | -20 to 75°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 110 Lbs, Maximum |
| Electrical Properties | |
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Mutual Capacitance | 65 pf/ft @1 kHz, Nominal |
| 3) Ground Capacitance | 117 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 33 Ω |
| 5) Inductance | 0.16 μH/ft, Nominal |
| 6) Conductor DCR | 6.1 Ω/1000ft @20°C, Nominal |
| 7) Component Shield DCR | 9.2 Ω/1000ft @20°C, Nominal |

Other

| Packaging | Flange x Traverse x Barrel (inches) |
|------------------------|---|
| a) 1000 FT | 12 x 10 x 5 Continuous length |
| b) 500 FT | 12 x 4.5 x 3.5 Continuous length |
| c) 100 FT | 6.5 x 4 x 2.5 Continuous length |
| d) Bulk(Made-to-order) | |
| | <i>[Spool dimensions may vary slightly]</i> |

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207

Tel: 1-800-52 ALPHA (25742)

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