



Customer Specification

PART NO. 45450/15

Construction

| | | Diameters (In) | | | |
|-------------------|--------|--|--------|--------------------|--------------|
| 1) Component 1 | | 15 X 1 COND | | | |
| a) Conductor | | 14 (41/30) AWG TC | | 0.074 | |
| b) Insulation | | 0.032" Wall, Nom. TPE | | 0.138 | |
| (1) Color Code | | Alpha Wire Color Code E | | | |
| Cond | Color | Cond | Color | Cond | Color |
| 1 | BLACK | 6 | GREEN | 11 | WHITE/BLACK |
| 2 | BROWN | 7 | BLUE | 12 | WHITE/BROWN |
| 3 | RED | 8 | VIOLET | 13 | WHITE/RED |
| 4 | ORANGE | 9 | SLATE | 14 | WHITE/ORANGE |
| 5 | YELLOW | 10 | WHITE | 15 | WHITE/YELLOW |
| 2) Cable Assembly | | 15 Components Cabled | | | |
| a) Twists: | | 1.6 Twists/foot (min) | | | |
| b) Core Wrap | | Nonwoven Polyester Tape, 25% Overlap, Min. | | | |
| 3) Shield: | | Alum/Mylar Tape, 25% Overlap, Min. | | | |
| a) Foil Direction | | Foil Facing In | | | |
| b) Drain Wire | | 14 (41/30) AWG TC | | | |
| 4) Jacket | | 0.065" Wall, Nom., TPE | | 0.775 (0.807 Max.) | |
| a) Color(s) | | Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White | | | |
| b) Ripcord | | 1 End 810 Denier Nylon | | | |
| c) Print | | ALPHA WIRE-* P/N 45450/15 15C 14 AWG XTRAGUARD(R) 4 E324185 (UL) TYPE WTTTC 90C DRY 1000V OR (UL) TYPE TC 90C DRY 600V OR AWM 20238 125C 600V 14 AWG -- LLXXXXX CSA AWM I/II A/B 125C 600V FT1 CE (SEQ FOOTAGE) * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.] | | | |

Applicable Specifications

| | | |
|----------------------|-------------------------------------|------------------------------|
| 1) UL | AWM/STYLE 20238 | 125°C / 600 V _{RMS} |
| | TC | 90°C / 600 V _{RMS} |
| | WTTC | 90°C / 1000 V _{RMS} |
| 2) CSA International | AWM I/II A/B | 125°C / 600 V _{RMS} |
| | FT1 | |
| 3) CE: | EU Low Voltage Directive 2006/95/EC | |

Environmental

| | |
|-----------------------------------|--|
| 1) EU Directive 2002/95/EC(RoHS): | |
| | All materials used in the manufacture of this part are compliant with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment under the now annulled Exemption 9A which allowed Deca-BDE. Alpha Wire is working to completely remove PBDE's from all products. Consult Alpha Wire's web site for compliance Date of Manufacture. |
| 2) California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. |

Properties

| | |
|---|---|
| Physical & Mechanical Properties | |
| 1) Temperature Range | -50 to 125°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 515 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |
| Electrical Properties (For Engineering purposes only) | |
| 1) Voltage Rating | 600/1000 V _{RMS} |
| 2) Capacitance | 22.5 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 40 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.19 µH/ft, Nominal |
| 5) Conductor DCR | 2.8 /1000ft @20°C, Nominal |
| 6) OA Shield DCR | 2.35 /1000ft @20°C, Nominal |

Other

| | |
|------------------------|-------------------------------------|
| Packaging | Flange x Traverse x Barrel (inches) |
| a) Bulk(Made-to-order) | |

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