

Customer Specification

PART NO. 45004

Construction

| | | | | | | Diameters (In) | |
|-------------------|-------|------|--------|------|-------|--|--------------------|
| 1) Component 1 | | | | | | 4 X 1 COND | |
| a) Conductor | | | | | | 22 (7/30) AWG Tinned Copper | 0.030 |
| b) Insulation | | | | | | 0.016" Wall, Nom. TPE | 0.062 |
| (1) Color Code | | | | | | Alpha Wire Color Code E | |
| Cond | Color | Cond | Color | Cond | Color | | |
| 1 | BLACK | 3 | RED | | | | |
| 2 | BROWN | 4 | ORANGE | | | | |
| 2) Cable Assembly | | | | | | 4 Components Cabled | |
| a) Twists: | | | | | | 5.3 Twists/foot (min) | |
| b) Orientation: | | | | | | Components to be arranged from INSIDE LAYER to OUTSIDE LAYER | |
| c) Core Wrap | | | | | | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Jacket | | | | | | 0.045" Wall, Nom.,TPE | 0.244 (0.255 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 45004 4C 22 AWG XTRAGUARD(R) 4 (UL) TYPE PLTC 105C SUN RES OR AWM 21916 125C 300 V OR CRU AWM I/II A/B 125C 300V FT1 P-07-KA140023-MSHA CE ROHS (SEQ FOOTAGE) * = Factory Code | |

Applicable Specifications

| | | |
|----------------------|---|------------------------------|
| 1) UL | AWM/STYLE 21916 | 125°C / 300 V _{RMS} |
| | PLTC | 105°C |
| | SUN RES | |
| 2) CSA International | C(RU) AWM I/II A/B FT1 | 125°C / 300 V _{RMS} |
| | SUN RES (Black only) | |
| 3) Other | PENNSYLVANIA BUREAU OF MINE SAFETY APPROVED | |
| 4) CE: | EU Low Voltage Directive 2014/35/EU | |
| | | |

Environmental

| | |
|--|---|
| 1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3): | |
| | This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item. |
| 2) REACH Regulation (EC 1907/2006): | |
| | This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. |
| 3) California Proposition 65: | This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more information. |
| | |

Properties

| Physical & Mechanical Properties | |
|----------------------------------|---|
| 1) Temperature Range | -50 to 125°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 22 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |
| Electrical Properties | (For Engineering purposes only) |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 14.3 pF/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance | 0.2 µH/ft, Nominal |
| 4) Conductor DCR | 16.3 Ω/1000ft @20°C, Nominal |
| | |

Other

| |
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| |
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| Packaging | Flange x Traverse x Barrel (inches) |
|--|-------------------------------------|
| a) Bulk(Made-to-order) | |
| Notes: | |
| a) Print legend will contain CSA SUN RES on black cables only. | |
| | |

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Alpha Wire □□□□45004

Alpha 2011/65/EU RoHS2015/863/EURoHSSJ/T 11364-2014

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|--|---------------------------|
| Lead | □□□□□□□□□□0.1% (1000 ppm) |
| Mercury | □□□□□□□□□□0.1% (1000 ppm) |
| Cadmium | □□□□□□□□□□0.01% (100 ppm) |
| Hexavalent Chromium | □□□□□□□□□□0.1% (1000 ppm) |
| Polybrominated Biphenyls (PBB) | □□□□□□□□□□0.1% (1000 ppm) |
| Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE | □□□□□□□□□□0.1% (1000 ppm) |
| Bis(2-ethylhexyl) phthalate (DEHP) | □□□□□□□□□□0.1% (1000 ppm) |
| Butyl benzyl phthalate (BBP) | □□□□□□□□□□0.1% (1000 ppm) |
| Dibutyl phthalate (DBP) | □□□□□□□□□□0.1% (1000 ppm) |
| Diisobutyl phthalate (DIBP) | □□□□□□□□□□0.1% (1000 ppm) |

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