

Customer Specification

PART NO. 5674

Construction

| | | | | | | Diameters (In) | |
|-------------------|-------|------|-------|------|-------|--|--------------------|
| 1) Component 1 | | | | | | 2 X 1 COND | |
| a) Conductor | | | | | | 26 (7/34) AWG Tinned Copper | 0.019 |
| b) Insulation | | | | | | 0.010" Wall, Nom. PVC, Semi Rigid | 0.039 |
| (1) Color Code | | | | | | Alpha Wire Color Code E | |
| Cond | Color | Cond | Color | Cond | Color | | |
| 1 | BLACK | 2 | BROWN | | | | |
| 2) Cable Assembly | | | | | | 2 Components Cabled | |
| a) Twists: | | | | | | 12.0 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) Shield: | | | | | | Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | | | | | | Foil Facing In | |
| b) Drain Wire | | | | | | 26 (7/34) AWG Tinned Copper | |
| 4) Jacket | | | | | | 0.032" Wall, Nom.,PVC | 0.150 (0.160 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 5674 2C 26 AWG XTRAGUARD(R) 1 SHIELDED (UL) TYPE CM 105C SUN RES OR AWM 2464 80C 300V OR AWM 2517 105C 300V VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4 CE ROHS OIL RESISTANT (SEQ FOOTAGE) * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> | |

Applicable Specifications

| Physical & Mechanical Properties | |
|----------------------------------|---|
| 1) Temperature Range | -35 to 105°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 6.6 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |
| Electrical Properties | (For Engineering purposes only) |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 30 pF/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 54 pF/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 63 Ω |
| 5) Inductance | 0.2 μH/ft, Nominal |
| 6) Conductor DCR | 41 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 30 Ω/1000ft @20°C, Nominal |
| | |

Other

| Packaging | Flange x Traverse x Barrel (inches) |
|-------------------------------------|---|
| a) 1000 FT | 10.5 x 5 x 3.5 Continuous length |
| b) 500 FT | 10.5 x 5 x 3.5 Continuous length |
| c) 328 FT | 6.5 x 6 x 1.9 Continuous length |
| d) 100 FT | 6.5 x 2 x 1.9 Continuous length |
| e) Bulk(Made-to-order) | |
| | <i>[Spool dimensions may vary slightly]</i> |
| Notes: | |
| a) Oil Resistant Jacket (7d @ 60C). | |
| | |

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Alpha Wire 5674

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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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