

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 58133
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Issue: 5
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A. Construction

Diameters

- | | | |
|----------------|-------------------------------------|-------|
| 1) Component 1 | 3 X 1 COND | |
| a) Conductor | 18 (7/.0152) AWG BC | |
| b) Insulation | 0.009" Wall, Nom. PVC, Plenum Rated | 0.064 |
| (1) Color Code | Alpha Wire Color Code D2 | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	WHITE	3	RED

- | | | |
|-------------------|--|--------------------|
| 2) Cable Assembly | 3 Components Cabled | |
| a) Twists: | 4.8 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 | 0.172 (0.180 Max.) |
| a) Color(s) | GRAY | |
| b) Print | ALPHA WIRE-* P/N 58133 3/C 18 AWG
SHIELDED (UL) TYPE CL2P --- LLXXXXXX CSA TYPE CMP
FT6 ROHS | |

* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- | | | |
|----------------------|------|------|
| 1) UL | CL2P | 60°C |
| 2) CSA International | CMP | 60°C |
| | FT6 | |
- 3) 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.
- 4) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

- | | |
|----------------------|--------------------|
| 1) Temperature Range | -20 to 60°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 44 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-----------------------|---|
| 1) Voltage Rating | 150 V _{RMS} |
| 2) Capacitance | 59 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 106 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.15 µH/ft, Nominal |
| 5) Conductor DCR | 6.6 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 11.7 Ω/1000ft @20°C, Nominal |

E. Other

- | | |
|--------------|--|
| 1) Packaging | |
| a) 1000 FT | |
| b) 500 FT | |

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