

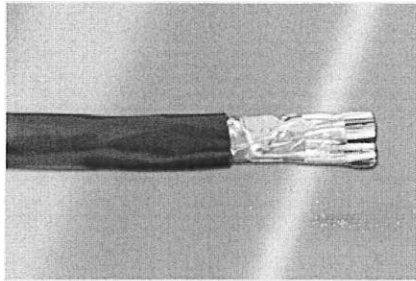


1-800-52-ALPHA

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Part #	Type	Shielding	Voltage	AWG	# of Elements	Jacket Material	Jacket Diameter	Applicable Specifications
6422	Pair	FOIL	300	22	11	PVC	0.48	CA Prop 65, CSA CMG, CSA FT4, UL CM, UL PLTC, UL SUN RES

## PART NO. 6422



This picture is representative only and may not match the specific configuration of the product listed on this page. Please refer to the product specifications for more information on this part number and its exact configuration.

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### Construction

- |                |   |                       |
|----------------|---|-----------------------|
| 1) Component 1 | 11 X 1 PAIR   | <b>Diameters (In)</b> |
| a) Conductor   | 22 (7/30) AWG TC                                      | 0.030                 |
| b) Insulation  | 0.013" Wall, Nom. PVC                                 | 0.056                 |
| (1) Print      | ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED |                       |
| (2) Color Code | Alpha Wire Color Code BR                              |                       |

Pair	Color	Pair	Color	Pair	Color
1	BLACK#1-RED#1	5	BLACK#5-RED#5	9	BLACK#9-RED#9
2	BLACK#2-RED#2	6	BLACK#6-RED#6	10	BLACK#10-RED#10
3	BLACK#3-RED#3	7	BLACK#7-RED#7	11	BLACK#11-RED#11
4	BLACK#4-RED#4	8	BLACK#8-RED#8		

- |                   |  |                    |
|-------------------|--|--------------------|
| c) Pair           | 2/Cond Cabled Together   |                    |
| (1) Twists:       | 8.0 Twists/foot (approx.)  |                    |
| 2) Cable Assembly | 11 Components Cabled   |                    |
| a) Twists:        | 2.2 Twists/foot (min)  |                    |
| b) Core Wrap      | Clear Mylar Tape, 25% Overlap, Min.  |                    |
| 3) Shield:        | Alum/Mylar Tape, 25% Overlap, Min.   |                    |
| a) Foil Direction | Foil Facing In   |                    |
| b) Drain Wire     | 24 (7/32) AWG TC   |                    |
| 4) Jacket         | 0.053" Wall, Nom.,PVC  | 0.480 (0.504 Max.) |
| a) Color(s)       | SLATE  |                    |
| b) Print          | ALPHA WIRE-* P/N 6422 11PR 22 AWG SHIELDED 105C (UL) TYPE PLTC SUN RES OR TYPE CM OR C(UL) 60C TYPE CMG FT4 CE ROHS<br>* = Factory Code<br>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.] |                    |

### Applicable Specifications

1) UL	CM PLTC SUN RES	105°C 105°C
2) CSA International	C(UL) TYPE CMG FT4	60°C
3) CE:	EU Low Voltage Directive 2006/95/EC	

### Environmental

- 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. Consult Alpha Wire's web site for RoHS C of C.
- 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. For up-to-date



3) California Proposition 65:

information, please see Alpha's REACH SVHC Declaration.

Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information.

#### Properties

##### Physical & Mechanical Properties

- |                      |                    |
|----------------------|--------------------|
| 1) Temperature Range | -20 to 105°C       |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 124 Lbs, Maximum   |

##### Electrical Properties

- |                             |   |
|-----------------------------|---|
| 1) Voltage Rating           | (For Engineering purposes only)<br>300 V <sub>RMS</sub> |
| 2) Mutual Capacitance       | 32 pF/ft @1 kHz, Nominal                                |
| 3) Ground Capacitance       | 58 pF/ft @1 kHz, Nominal                                |
| 4) Characteristic Impedance | 71 Ω  |
| 5) Inductance               | 0.19 μH/ft, Nominal                                     |
| 6) Conductor DCR            | 16.6 Ω/1000ft @20°C, Nominal                            |
| 7) OA Shield DCR            | 11.5 Ω/1000ft @20°C, Nominal                            |

#### Other

##### Packaging

- a) 1000 FT
- b) 500 FT

Flange x Traverse x Barrel (inches)

24 x 14 x 12 Continuous length

18 x 12 x 8 Continuous length

*[Spool dimensions may vary slightly]*

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