

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5499/11C
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Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

Diameters

- 1) Component 1 11 X 1 PAIR
a) Conductor 24 (7/32) AWG TC
b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.044
(1) Color Code Alpha Wire Color Code B

Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK	5	WHITE-YELLOW	9	WHITE-GRAY
2	WHITE-BROWN	6	WHITE-GREEN	10	BLACK-BROWN
3	WHITE-RED	7	WHITE-BLUE	11	BLACK-RED
4	WHITE-ORANGE	8	WHITE-VIOLET		

- c) Pair 2/Cond Cabled Together
(1) Twists: 9.6 Twists/foot (min)
2) Cable Assembly 11 Components Cabled
a) Twists: 3.4 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 24 (7/32) AWG TC
4) Jacket 0.032" Wall, Nom.,PVC 0.361 (0.382 Max.)
a) Color(s) Gray, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White
b) Ripcord 1 End 810 Denier Nylon
c) Print ALPHA WIRE-* P/N 5499/11C 11PR 24 AWG
XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME
ENVIRONMENTS - SHIELDED 105C (UL) TYPE CM OR AWM
2464 VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4
CE ROHS <SEQ FOOTAGE>
* = Factory Code

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

B. Industry Approvals

- 1) UL
a) Component 1 AWM/STYLE10002 105°C / 300V
b) Overall AWM/STYLE2464 80°C / 300V
CM 105°C
VW-1
2) CSA International CMG 105°C
FT4
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.
5) CE: LVD 73/23/EEC Amendment 93/68/EEC

C. Physical & Mechanical Properties

- 1) Temperature Range -20 to 105°C
2) Bend Radius 10X Cable Diameter
3) Pull Tension 81 Lbs, Maximum
4) Sunlight Resistance Yes

D. Electrical Properties

- (For Engineering purposes only)
1) Voltage Rating 300 V_{RMS}
2) Mutual Capacitance 23.1 pf/ft @1 kHz, Nominal
3) Ground Capacitance 42 pf/ft @1 kHz, Nominal
4) Characteristic Impedance 82 Ω

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|------------------|--------------------------------------|
| 5) Inductance | 0.19 μ H/ft, Nominal |
| 6) Conductor DCR | 26 Ω /1000ft @20°C, Nominal |
| 7) OA Shield DCR | 13.4 Ω /1000ft @20°C, Nominal |

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT
 - d) Bulk(Made-to-order)

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