

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 1299/15C

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Issue: 4
Issue Date: 5/19/2005
Effective Date: 8/1/2005

A. Construction

1) Component 1	15 X 1 COND 22 (7/30) AWG TC 0.010" Wall, Nom. PVC (1) Color Code	0.050																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Cond</th> <th>Color</th> <th>Cond</th> <th>Color</th> <th>Cond</th> <th>Color</th> </tr> </thead> <tbody> <tr><td>1</td><td>BLACK</td><td>6</td><td>BLUE</td><td>11</td><td>PINK</td></tr> <tr><td>2</td><td>RED</td><td>7</td><td>BROWN</td><td>12</td><td>TAN</td></tr> <tr><td>3</td><td>WHITE</td><td>8</td><td>YELLOW</td><td>13</td><td>RED/GREEN</td></tr> <tr><td>4</td><td>GREEN</td><td>9</td><td>VIOLET</td><td>14</td><td>RED/YELLOW</td></tr> <tr><td>5</td><td>ORANGE</td><td>10</td><td>GRAY</td><td>15</td><td>RED/BLACK</td></tr> </tbody> </table>			Cond	Color	Cond	Color	Cond	Color	1	BLACK	6	BLUE	11	PINK	2	RED	7	BROWN	12	TAN	3	WHITE	8	YELLOW	13	RED/GREEN	4	GREEN	9	VIOLET	14	RED/YELLOW	5	ORANGE	10	GRAY	15	RED/BLACK
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2) Cable Assembly	15 Components Cabled 3.7 Twists/foot (min)																																					
3) Shield:	Alum/Mylar Tape, 25% Overlap, Min. Foil Facing Out 22 (7/30) AWG TC																																					
4) Jacket	0.032" Wall, Nom.,PVC GRAY ALPHA WIRE-* P/N 1299/15C 15/C 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- LLXXXXXX CSA TYPE CMG FT4 ROHS	0.298 (0.314 Max.)																																				
	* = Factory Code																																					

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

B. Industry Approvals

1) UL	AWM/STYLE2576 CM VW-1	80°C / 150V 75°C
2) CSA International	CMG FT4	60°C
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 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	88 Lbs, Maximum

D. Electrical Properties

1) Voltage Rating	(For Engineering purposes only) 300 V _{RMS}
2) Capacitance	50 pf/ft @ 1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	90 pf/ft @ 1 kHz, Nominal
4) Inductance	0.18 µH/ft, Nominal
5) Conductor DCR	16.4 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	11.8 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging	1000 FT
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Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

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- b) 500 FT
- c) 100 FT

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