



# Product Specification

3cdr + 1pr 22 Awg Composite  
Shielded Control Cable (80°C) 300V

Conductor: 22 awg (7/30) Tinned Copper Stranding

Insulation: .016” Nominal Color Coded PVC

Color Code: 3cdr = Blk/Wht/Red 1pr = Grn/Org

Binder: Clear Polyester Tape over single pair

Shield: O/A Foil Shield and 24awg (7/32) Bare Copper Drain

Filler: Polyester For roundness

Jacket: .0032” Nominal Black PVC

Nominal OD: .247” Nominal

Voltage: 300 Volt

UL Listing: UL Type CM 105c  
 AWM 2464 80c  
 CSA Type CMG – (FT4)

NOTE: +/- 10% Manufacturing Tolerance.

This is not a Standard Product. Customer agrees to accept all lengths manufactured.

DATE	LEVEL	WRITTEN BY	REVISION	<b>THIS DOCUMENT SHALL NOT BE REPRODUCED, COPIED  OR DISTRIBUTED WITHOUT THE  EXPRESSED PERMISSION OF MANHATTAN WIRE</b>
04/25/08	Basic	CL		
				<b>DRAWING NUMBER: S0408992</b>
				SHEET 1 OF 1

**ALPHA WIRE COMPANY**  
**CDC PRODUCT SPECIFICATION**

Part Number: CDC6120  
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Issue: 0  
Issue Date: 5/15/2009

<b>A. Construction</b>		<u>Diameters</u>
1) Component 1	3 X 1 COND	
a) Conductor	22 (7/30) AWG TC	
b) Insulation	0.016" Wall, Nom. PVC	
(1) Color Code	3 SOLID COLORS/0 STRIPED/0 NUMBER CODED	
2) Component 2	1 X 2 COND	
a) Conductor	22 (7/30) AWG TC	
b) Insulation	0.016" Wall, Nom. PVC	
(1) Color Code	2 SOLID COLORS/0 STRIPED/0 NUMBER CODED	
c) Cabling	2 COND	
(1) Core Wrap	CM Tape, 25% Overlap, Min.	
3) Cable Assembly	4 Components	
4) Shield:	AM Foil Tape, 25% Overlap, Min.	
a) Drain Wire	22 (7/30) AWG TC	
5) Jacket	0.032" Wall, Nom., XG1PVC	0.250
a) Color	BLACK	
6) Packaging	1000FT PUTUP	
<b>B. Industry Approvals</b>		
1) UL	CM	105C
	AWM/STYLE 2464	80C / 300V
2) CSA	CMG	105C
	FT4	
3) MIL	NONE	
4) CE Compliant	NO	
5) ROHS Compliant	YES	
<b>C. Physical &amp; Mechanical Properties</b>		
1) Temperature	105 C	
<b>D. Electrical Properties</b>		
1) Voltage Rating	300 V <sub>RMS</sub>	
<b>E. Other</b>		
1) Requested Quantity	2,500Ft., 5,000Ft., 10,000Ft.	

**Application Notes**

Clear Polyester tape over single pair Please see Phyllis for Spec I need for forward

Exceptions:

1. Modified 1 pair 22 AWG to 2/c 22 AWG to add mylar wrap over unit.
2. Jacket wall modified to .032 not .0032 as show on spec.
3. Quoting with TC drain wire.
4. Cable OD 0.250.

CUSTOM PRODUCTS ARE NON-CANCELLABLE & NON-RETURNABLE EXCEPT FOR  
MANUFACTURING DEFECTS