	ALPHA WIRE COMPANY CDC PRODUCT SPECIFICATION					
Part Number: CDC5926 Page 1 of 1 Pages			Issue: Issue Date:	0 4/13/2009		
Α.	Construction 1) Component 1 a) Conductor	20 X 1 PAIR 20 (7/28) AWG TC		<u>Diameters</u>		
	b) Insulation (1) Color Code c) Pair	0.013" Wall, Nom. PVC 2 SOLID COLORS/0 STRIP 2/Cond Cabled Together	ED/40 NUMBER (	CODED		
	<ol> <li>Cable Assembly</li> <li>a) Core Wrap</li> <li>3) Shield;</li> </ol>	20 Components CM Tape, 25% Overlap, Min APA Foil Tape, 25% Overlap	l. Bilim			
	a) Drain Wire b) Braid	20 (7/28) AWG TC TC,70% Coverage, Min.				
	<ol> <li>Jacket</li> <li>a) Color</li> <li>5) Packaging</li> </ol>	0.065" Wall, Nom., XG1PVC SLATE 1000FT PUTUP		0.716		
3.	Industry Approvals					
	1) UL 2) CSA	ITC CMG FT4				
	<ul> <li>3) MIL</li> <li>4) CE Compliant</li> <li>5) DOUD Compliant</li> </ul>	NONE YES				
С.	5) ROHS Compliant Physical & Mechanical Pr	YES				
	1) Temperature	105 C				
	Electrical Properties 1) Voltage Rating Other	300 V <sub>RMS</sub>				
	1) Requested Quantity	5,000Ft., 35,000Ft.				

Application Notes same as 5489/19c except with 20 pair. color code for conductors will be black/white numbered.

## Rev. 01, dated 2/12/09:

1. Updated to PLTC as requested by sales.

# Rev. 2, dated 3/9/09:

1. Updated to #20 AWG & ITC as requested by sales.

On 4/9 CDC5638 revised to add braid shield to the foil.

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

## **ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION**

		lumber: 810268 1 of 2 Pages	Issue: 1 Issue Date: 5/19/2009 Effective Date: 5/19/2009				
Α.	Со	onstruction	Diameters (In)				
	1)	Component 1	20 X 1 PAIR				
		a) Conductor	20 (7/28) AWG TC				
		b) Insulation					
		(1) Print	ALPHA NUMERIC NUMBERS - WHITE CONDUCTOR ONLY (ONE-1) ALTERNATE INVERTED 2"SPACING(CTR. TO CTR.)				
		(2) Color(s)	(ONE-1) ALTERNATE INVERTED 2 SPACING(CTR. TO CTR.)				
		Pair Color	Pair Color Pair Color				
		1 BLACK#1-WHITE#1 2 BLACK#2-WHITE#2	8         BLACK#8-WHITE#8         15         BLACK#15-WHITE#15           9         BLACK#9-WHITE#9         16         BLACK#16-WHITE#16				
		3 BLACK#3-WHITE#3	10 BLACK#10-WHITE#10 17 BLACK#17-WHITE#17				
		4 BLACK#4-WHITE#4 5 BLACK#5-WHITE#5	11         BLACK#11-WHITE#11         18         BLACK#18-WHITE#18           12         BLACK#12-WHITE#12         19         BLACK#19-WHITE#19				
		6 BLACK#6-WHITE#6 7 BLACK#7-WHITE#7	13         BLACK#13-WHITE#13         20         BLACK#20-WHITE#20           14         BLACK#14-WHITE#14				
			2/Cand Cabled Tagether				
		c) Pair (1) Twists:	2/Cond Cabled Together 8.0 Twists/foot (min)				
	2)	Cable Assembly	20 Components Cabled				
	_/	a) Twists:	1.8 Twists/foot (min)				
		b) Core Wrap	Clear Mylar Tape, 25% Overlap, Min.				
	3)	Shield:	A/P/A Tape, 25% Overlap, Min.				
		a) Drain Wire	20 (7/28) AWG TC				
		b) Braid	TC,70% Coverage, Min.				
	4)	Jacket	0.065" Wall, Nom.,PVC 0.716 (0.746 Max.)				
		a) Color(s)					
		b) Print	ALPHA WIRE-* P/N 810268 20PR 20 AWG EXXXXX (UL) 105C ITC OR C(UL) TYPE CMG FT4				
			* = Factory Code				
В.	Ind	dustry Approvals					
	1)	UL	ITC 105°C				
	2)	CSA International	C(UL) TYPE CMG 105°C				
c	En	wironmontal Approvals	FT4				
0.	1)	Environmental Approvals 1) EU Directive 2002/95/EC(RoHS):					
	All materials used in the manufacture of this part are in compliance with EL						
			Directive 2002/95/EU regarding the restriction of use of certain hazardous				
			substances in electrical and electronic equipment.				
	2)	California Proposition 65	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.				
D.	Ph	ysical & Mechanical Prop					
	1)	Temperature Range	-20 to 105°C				
	2)́	Bend Radius	10X Cable Diameter				
	3)	Pull Tension	373 Lbs, Maximum				
Ε.		ectrical Properties	(For Engineering purposes only)				
	1)	Voltage Rating	300 V <sub>RMS</sub>				
	2)	Mutual Capacitance	34 pf/ft @1 kHz, Nominal				
	3)	Ground Capacitance	61 pf/ft @1 kHz, Nominal				
	4) 5)	Characteristic Impedance	65 Ω Ω 18 uH/ft Nominal				
	5) 6)	Conductor DCR	0.18 µH/ft, Nominal 10.5 Ω/1000ft @20°C, Nominal				
	6) 7)	OA Shield DCR	10.5 Ω/1000ft @20°C, Nominal 1.19 Ω/1000ft @20°C, Nominal				
F.	Oth						
	1)						
	,	a) Bulk(Made-to-order)					
		. ,					

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## **ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION**

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5/19/2009

This Design is custom, Made-To-Order & once accepted, the order is NON-CANCELLABLE & NON-**RETURNABLE.** 

Accepted By:	Date:
Company:	Title:

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