CUSTOMER PRODUCT SPECIFICATION										
Part Number: 75021 Page 1 of 2 Pages					Issue: 2 Issue Date: 4/18/2012 Effective Date: 4/24/2012					
Α.	Co	nstru	uction		Diameters (In)					
	1)	Cor a) b)	mponent 1 Conductor Insulation (1) Color(s)	2 X 1 PAIR 24 (7/32) AWG BC 0.010" Wall, Nom. Polypro	0.024 opylene (PP) 0.044					
			Pair Color	Pair Color	Pair Color					
			1 BLU - WHT/BLU	2 ORG – WHT/ORG	G					
	2)	Cal	Pair (1) Lay Length: ble Assembly Twists: Core Wrap:	2/Cond Cabled Together Various Lay 2 Components Bunch Cat 4.0 Twists/foot Clear Mylar Tape, 25% O						
	3)	Shi a)	eld: Foil Direction	Alum/Mylar Tape, 25% Ov Foil Facing In						
	4)	Jac	Drain Wire ket Color(s) Ripcord	24 (7/32) AWG TC 0.035 Wall, Nom. TPE BLACK Nylon	0.310 (0.330 Max.)					
		c)	Print	CMR 75C FT4 ANSI/TIA-	21 2PR 24 AWG STRIAL ETHERNET (UL) C(UL) TYPE 568-C.2 CAT5E VERIFIED IAL FOOTAGE MARKING)					
В.	Applicable Specifications			-						
		UL		CMR FT4	75°C					
	2)		A International	C(UL) TYPE CMR FT4	75°C					
C		CE	: nmental Compliance	LVD 73/23/EEC Amendm	ient 93/68/EEC					
0.	1) EU Directive 2002/95/EC(RoHS):									
				requirement of EU Directive	nanufacture and packaging of this part must meet the ive 2002/95/EU regarding the restriction of use of certain electrical and electronic equipment.					
D.			al & Mechanical Prope	ties						
	1) 2) 3) 4)	Ber Pul	nperature Range nd Radius I Tension nlight Resistance	-50 to 105°C 8X Cable Diameter 17.6 Lbs, Maximum Yes						
E.		ctric Vol Cha Mu Vel Cor Ske Pai	al Properties tage Rating aracteristic Impedance tual Capacitance ocity of Propagation nductor DCR	(For Engineering purpose 300 V <sub>RMS</sub> 100 Ω +/- 15 5.6 nF/100m Max 70 % Nom. 9.38 Ω/100m Max 45 ns/100m Max 330 pF/100m Max 5% Max	es only)					

## ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

This specification outlines the requirements for the product(s) described herein. Deviations from this specification are not permitted without the written authorization of the Alpha Wire Engineering Department. All finished products will be inspected to the specification and noncompliance or unauthorized deviations will be cause for rejection and return of product. If vendor certifying agency requirements are in conflict with this document, **it is incumbent upon the vendor to notify the Alpha Wire Engineering Department** and mark up differences on this document and submit them for **review and approval prior to any production**. Be advised that **product legend information and product label information must be in concert;** both are the responsibility of the vendor. It is the **responsibility of the vendor** to insure that this product meets the requirements of subservient certifying agency documents even though they are not directly noted herein. All information contained herein is confidential. Its use is restricted to authorized Alpha Wire Company personnel or authorized vendors of the Alpha Wire Company. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of the Alpha Wire Engineering Department.

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Part Number: 75021 Page 2 of 2 Pages		Issue: Issue Date: Effective Date:	2 4/18/2012 4/24/2012	
9) Insertion Loss	2.4 (Max dB/100m) @ 1 MHz 4.9 (Max dB/100m) @ 4 MHz 6.9 (Max dB/100m) @ 8 MHz 7.8 (Max dB/100m) @ 10 MHz 9.9 (Max dB/100m) @ 16 MHz 11.1 (Max dB/100m) @ 20 MH 12.5 (Max dB/100m) @ 25 MH 14.1 (Max dB/100m) @ 31.25 M 20.4 (Max dB/100m) @ 62.5 M 26.4 (Max dB/100m) @ 100 MH	z z MHz Hz		
F. Other				
1) Packaging a) 1000 FT b) 500 FT	Flange x Traverse x Barrel (incho 18 x 10.5 x 8 Continuous lengt 12.5 x 9 x 8 Continuous length [Spool dimensions may vary slightly]	h		

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