

Customer Specification PART NO. 2821/4

Construction

				Diameters (In)		
1) Component 1		4 X 1 COND	4 X 1 COND			
a) Conductor		24 (19/36) AV	24 (19/36) AWG SPC		0.025	
b) Insulation		0.010" Wall, N	0.010" Wall, Nom. PTFE		0.044	
(1) Color Code		Alpha Wire Co	Alpha Wire Color Code G			
Cond	Color	Cond	Color	Cond	Color	
1	WHITE	3	RED			
2	BLACK	4	GREEN			
2) Cable Assembly		4 Components	4 Components Cabled			
a) Twists:		8.0 Twists/foo	8.0 Twists/foot (min)			
3) Shield		SPC BRAID S	SPC BRAID Shield,90% Coverage, Min.			
4) Jacket		0.012" Wall, N	0.012" Wall, Nom.,PTFE Tape		0.155 (0.170 Max.)	
a) Color(s)		WHITE	WHITE			

Applicable Specifications

1) Military		
a) Component 1	MIL-W-16878/4 (Type E)	200°C / 600 V _{RMS}
2) Other		
a) Component 1	NEMA HP3-EXBEE	200°C / 600 V _{RMS}
3) CE:	EU Low Voltage Directive 2006/95/EC	

Environmental

1) CE: EU Directive 2011/65/EU(RoHS2):				
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.			
2) REACH Regulation (EC 1907/2006):				
	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration.			
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.			

Properties

1) Temperature Range	-55 to 200°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	18.2 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	600 V _{RMS}
2) Capacitance	20.7 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	37 pf/ft @1 kHz, Nominal
4) Inductance	0.18 μH/ft, Nominal
5) Conductor DCR	22.5 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	6.3 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 4.5 x 3.5 Max. 3 separate pieces; Min length/piece 100 FT.
b) 100 FT	6.5 x 2 x 1.9 Continuous length
	[Spool dimensions may vary slightly]

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 2821/4

2821/4, RoHS-Compliant Commencing With 7/1/2005 Production

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to this Directive for the specific definitions and extents of this Directive. **No Exemptions are required for RoHS Compliance on this item**. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2006.

SubstanceMaximum Control ValueLead0.1% by weight (1000 ppm)Mercury0.1% by weight (1000 ppm)Cadmium0.01% by weight (100 ppm)Hexavalent Chromium0.1% by weight (1000 ppm)Polybrominated Biphenyls (PBB)0.1% by weight (1000 ppm)

Polybrominated Diphenyl Ethers (PBDE),

Including Deca-BDE 0.1% by weight (1000 ppm)

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Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering & QA

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