

Customer Specification

PART NO. PBM0430

Construction

		Diameters (In)
1) Component 1	1 X 1 HOOKUP	
a) Conductor	4 (420(7x60)/30) AWG TC	
b) Insulation	0.065" Wall, Nom. PVC	0.404+/- 0.006
(1) Separator	Tissue Tape, 10% Overlap, Min.	
(2) Print	ALPHA WIRE-* 4 AWG PREMIER EXXXXX (UL) BOAT CABLE 105C DRY 75C WET BC-5W2 OIL RES I 600V OR AWM STYLE 1283 VW-1 --- SAE J378/1127 TYPE SGT 50V DC --- LLXXXXX CSA AWM IA/B 105C 600V FT1 OR TEW 105C 600V FT1 * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>	
(3) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, SLATE, VIOLET	

Applicable Specifications

1) UL	VW-1	
	AWM/STYLE 1283	105°C / 600 V _{RMS}
	Boat Cable (BC-5W2)	
	OIL RES I	
2) CSA International	FT1	
	AWM I A/B	105°C / 600 V _{RMS}
	TEW-105	
3) Other	ABYC and Coast Guard Requirments	
	SAE, J1127 TYPE SGT	50 V _{DC}
	SAE, J378B	

Environmental

1) 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.
2) California Proposition 65:	
	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	330 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	600 V _{RMS}
2) Inductance	0.04 μH/ft, Nominal
3) Conductor DCR	0.28 /1000ft @20°C, Nominal

Other

1) Packaging	
a) 1000 FT	
b) 500 FT	
c) 250 FT	
d) 100 FT	
e) 25 FT	
f) Bulk(Made-to-order)	

www.alphawire.com

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:PBM0430

PBM0430 , RoHS-Compliant Commencing With7/1/2005Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, 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 these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.***

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.1% by weight (100 ppm)
Hexavalent Chromium	0.1% 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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