

Customer Specification PART NO. 6450

Construction

				Diameters (In)		
1) Component 1		2 X 1 COND	2 X 1 COND			
a) Conductor		18 (7/26) AWG TC	18 (7/26) AWG TC		0.046	
b) Insulation		0.025" Wall, Nom.	0.025" Wall, Nom. FRPP		0.096	
(1) Color(s)						
Cond	Color	Cond	Color	Cond	Color	
1	BLUE	2	WHITE			
2) Cable Assembly		2 Components Ca	bled			
a) Twists:		6.9 Twists/foot (mi	6.9 Twists/foot (min)			
3) Shield:		Alum/Mylar Tape,	Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing Out				
b) Drain Wire		20 (7/28) AWG TO	;			
c) Braid		TC,55% Coverage	TC,55% Coverage, Min.			
4) Jacket		0.053" Wall, Nom.	0.053" Wall, Nom.,PVC		0.324+/- 0.006	
a) Color(s)		BLUE	BLUE			
b) Print		EXXXXX 1PR18 SI TYPE TC OR PLTC P-MSHA (MSHA #) (SEQ FOOTAGE E	ALPHA WIRE P/N 6450 EXXXXX 1PR18 SHIELDED (UL) 600V 75C DRY SUN RES TYPE TC OR PLTC OR ITC OR CMG OR C(UL) CMG P-MSHA (MSHA #) CE ROHS (SEQ FOOTAGE EVERY 2 FT) [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]			

Applicable Specifications

1) UL	тс	75°C / 600 V _{RMS}	
	PLTC	75°C	
	ітс	75°C	
	СМС	75°C	
	SUN RES		
2) CSA International	СМС	75°C	
	FT4		
3) Other	PMSHA Specification		
4) CE:	EU Low Voltage Directive 2006/95/EC		

Environmental

1) CE: EU Directive 2011/65/EU(RoHS2):	
2) REACH Regulation (EC 1907/2006):	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.
	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.

Properties

Physical & Mechanical Properties				
-40 to 75°C				
10X Cable Diameter				
40 Lbs, Maximum				
(For Engineering purposes only)				
600 V _{RMS}				
78 Ω +/- 5				
0.12 μH/ft, Nominal				
19.5 pf/ft @1 kHz, Nominal				
65 %				
6.9 Ω/1000ft @20°C, Nominal				
3.2 Ω/1000ft @20°C, Nominal				
0.5 @ 1 MHz				
2 @ 10 MHz				
3.8 @ 50 MHz				
5.4 @ 100 MHz				
7.6 @ 200 MHz				
10.7 @ 400 MHz				

Other

Flange x Traverse x Barrel (inches)
18 x 12 x 8 Continuous length
12 x 12 x 3.5 Continuous length
12 x 4.5 x 3.5 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: 6450

6450, RoHS-Compliant Commencing With 7/1/2008 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**. It should be noted that this product does not fall within the scope of Directive 2011/65/EU, but this Certificate is offered for cases where this product will be used within EEE that does fit within the Directive's scope. 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.

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% 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)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering & QA

4/26/2013