

[Request a Sample](#)

Customer Specification

PART NO. M3451

ProductConstruction

		Diameters (In)			
1) Component 1		7 X 1 PAIR			
a) Conductor		24 (7/32) AWG TC		0.024	
b) Insulation		0.010" Wall, Nom. PVC, Semi Rigid		0.044	
(1) Color Code		Alpha Wire Color Code M			
Pair	Color	Pair	Color	Pair	Color
1	BLUE/WHITE - WHITE/BLUE	4	BROWN/WHITE - WHITE/BROWN	7	ORANGE/RED - RED/ORANGE
2	ORANGE/WHITE - WHITE/ORANGE	5	SLATE/WHITE - WHITE/SLATE		
3	GREEN/WHITE - WHITE/GREEN	6	BLUE/RED - RED/BLUE		
c) Pair		2/Cond Cabled Together			
(1) Twists:		9.6 Twists/foot (min)			
2) Cable Assembly		7 Components Cabled			
a) Twists:		3.7 Twists/foot (min)			
3) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing Out			
b) Drain Wire		24 (7/32) AWG TC			
c) Braid		TC,65% Coverage, Min.			
4) Jacket		0.032" Wall, Nom.,PVC		0.308 (0.325 Max.)	
a) Color(s)		SLATE			
b) Ripcord		1 End 810 Denier Nylon			
c) Print		ALPHA WIRE-* P/N M3451 7PR 24 AWG SHIELDED 75C CMG (UL) C(UL) OR AWM 2464 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

ProductIndustryApprovals

1) UL	AWM/STYLE 2464	80°C / 300 V _{RMS}
	CMG	75°C
2) CSA International	FT4	
	C(UL) TYPE CMG	75°C
3) CE:	EU Low Voltage Directive 2006/95/EC	

ProductEnvironmental

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.

ProductProperties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	57 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	23.1 pf/ft @1 kHz, Nominal
3) Ground Capacitance	42 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	82 Ω
5) Inductance	0.19 μH/ft, Nominal
6) Conductor DCR	26 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	3.4 Ω/1000ft @20°C, Nominal

ProductOther

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 12 x 8 Continuous length
b) 500 FT	12 x 10 x 5 Continuous length
c) 100 FT	12 x 4.5 x 3.5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207

Tel: 1-800-52 ALPHA (25742)

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

ALPHA WIRE - CONFIDENTIAL AND PROPRIETARY

Notice to persons receiving this document and/or technical information. This document is confidential and is the exclusive property of ALPHA WIRE, and is merely on loan and subject to recall by ALPHA WIRE at any time. By taking possession of this document, the recipient acknowledges and agrees that this document cannot be used in any manner adverse to the interests of ALPHA WIRE, and that no portion of this document may be copied or otherwise reproduced without the prior written consent of ALPHA WIRE. In the case of conflicting contractual provisions, this notice shall govern the status of this document. ©2013 ALPHA WIRE - all rights reserved.

符合性证明

敬启者：

Alpha Wire 部件号：M3451

M3451，符合RoHS标准，以 7/1/2005 的生产为开始

兹通过本文件证明上述 Alpha 部件号的产品系根据欧洲议会和欧洲理事会2003年1月27日第2002/95/EC号关于在电气电子设备中限制使用某些有害物质的指令（即RoHS指令）而制造。关于所述指令的具体定义和范围，请参见所述指令。**对该产品的RoHS符合性不需任何豁免。**

危险物质

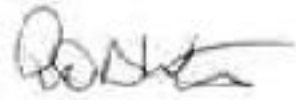
铅
汞
镉
六价铬
聚溴联苯 (PBB)
聚溴二苯醚 (PBDE)
台卡二苯醚

最大控制值

按重量计算不得超过0.1% (1000 ppm)
按重量计算不得超过0.1% (1000 ppm)
按重量计算不得超过0.01% (100 ppm)
按重量计算不得超过0.1% (1000 ppm)
按重量计算不得超过0.1% (1000 ppm)
按重量计算不得超过0.1% (1000 ppm)

Alpha Wire 公司已阅读本文件，并谨在此声明本文件所含信息及披露的数据在本文件发布时均准确无误。本文件所含信息仅作为一般指南，适用于产品本身或产品组成部分的安全处理、贮存及其它操作。本文件不应被视为任何保证或质量规范。法规信息仅供参考。对于法律、法规的适用性，由产品用户根据各自的产品用途自行确定。

Alpha Wire 公司授权代表签字：



技术及质保部总监 Dave Watson

8/20/2014