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Customer Specification

PART NO. 55364

Construction

		Diameters (In)			
1) Component 1		4 X 1 COND			
a) Conductor		16 (19/.0117) AWG Tinned Copper		0.059	
b) Insulation		0.011" Wall, Nom. FEP		0.081	
(1) Color Code		Alpha Wire Color Code E			
Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED		
2	BROWN	4	ORANGE		
2) Cable Assembly		4 Components Cabled			
a) Twists:		4.4 Twists/foot (min)			
b) Core Wrap		PTFE(skived) Tape, 25% Overlap, Min.			
3) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing In			
b) Drain Wire		16 (19/.0117) AWG Tinned Copper			
4) Jacket		0.027" Wall, Nom., FEP		0.262 (0.273 Max.)	
a) Tint Color(s)		Natural Tan, Slate, Black, Yellow, Orange, Blue, Green, Red, White			
b) Ripcord		Para-Aramid fiber(Kevlar, Twaron or equal)			
c) Print		ALPHA WIRE-* XTRAGUARD(R) 5 - 16 AWG SHIELDED 150C (UL) CMP OR AWM 20229 -- LLXXXXXX CSA CMP FT6 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

Applicable Specifications

1) UL	CMP	150°C
	AWM/STYLE 20229	150°C / 300 V _{RMS}
	UL-910/NFPA 262 (Steiner Tunnel) Flame Test	
2) CSA International	CMP	150°C
	FT6	
3) IEC	EN 50356 Spark Testing	
	EN 50395, Section 10, Faults in Insulation	
	EN 50396, Section 4, Test Methods for Dimensions	
	EN 60228 Conductors, Class 2	
	EN 60332-1 Flame Behavior	
	EN 60332-2 Flame Behavior	
4) Other	ICEA T-29-520 210,000 BTU/Hr. Flame Test	
5) 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

Physical & Mechanical Properties	
1) Temperature Range	-80 to 200°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	102 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	28 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	50 pf/ft @1 kHz, Nominal
4) Inductance	0.15 µH/ft, Nominal
5) Conductor DCR	4.4 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	3.4 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 3280 FT	24 x 14 x 12 Continuous length
b) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Nature color 3280ft packaging is for special order.	

www.alphawire.com

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 55364

55364 , RoHS-Compliant Commencing With 8/1/2005 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.

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)

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Authorized Signatory for the Alpha Wire Company:

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8/6/2015

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