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Customer Specification

PART NO. FW19EW127

Construction

Cordset Configuration	
End 1	M23F 90 Degree
End 2	M23M 90 Degree
Insert	White PBT
Mold Color	Black TPU
Contact	Copper Alloy, Gold plated
Coupling Nut	Copper Alloy, Nickel plated
Cordage Construction	
Cable Construction	Composite Component 1- 16 X 1 COND Component 2- 3 X 1 COND
Conductor	Component 1- 0,50mm ² (64 x 0,10mm), Bare Copper (20 AWG) Component 2- 1,00mm ² , (128 x 0,10mm), Bare Copper (18 AWG)
Jacket	ZHPUR
Jacket Color	BLACK
OD	0.457
Insulation	PP
Insulation Colors	Component 1- Yellow/Brown, Brown/Green, White, Yellow, Pink, Slate/Brown, Violet, Red, Slate, Red/Blue, Green, Slate/Pink, White/Green, White/Yellow, White/Slate, Black Component 2- Brown, Blue, Green/Yellow

Applicable Specifications

Cordset Applicable Specifications			
UL	ANSI/UL 2238, Cable Assembly Extension		
Ingress Protection	IP67, IP68/NEMA 6P		
CSA	CSA-C22.2 No. 182.3, Special Use Attachment Plugs, Receptacles and Connectors		
Cordage Applicable Specifications			
UL			
AWM/STYLE 10493	80°C / 300 V _{RMS}		AWM/STYLE 20549
AWM/STYLE 20549			
			CSA International

Environmental

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.

Properties

Physical & Mechanical Properties

Temperature Range	-40 to 80°C(static), -25 to 60°C (dynamic)
Bend Radius	5X Cable Diameter(static), 10X Cable Diameter(dynamic)
Pull Tension	178 Lbs, Maximum

Other

Available Lengths

355- 0.6 Meters
356- 1.0 Meters
357- 3.0 Meters
358- 5.0 Meters
359- 10 Meters
400- 15 Meters
401- 20 Meters

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: FW19EW127

FW19EW127 , RoHS-Compliant Commencing With 9/21/2016 Production

Note: all colors and put-ups

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 (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3) The reader is referred to these Directives for the specific definitions and extents of the Directives. **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 11364-2014.

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)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1000 ppm)
Butyl benzyl phthalate (BBP)	0.1% by weight (1000 ppm)
Dibutyl phthalate (DBP)	0.1% by weight (1000 ppm)
Diisobutyl phthalate (DIBP)	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:

Dave Watson, Director of Engineering & QA

5/24/2019

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