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# Customer Specification

## PART NO. DR08AW103

### Construction

Cordset Configuration	
End 1	M12M
End 2	M12F 90 Degree
Insert	Black TPU
Mold Color	Black TPU
Contact	Copper Alloy, Gold Plated
Coupling Nut	Copper Alloy, Nickel Plated

Cordage Construction	
Cable Construction	7 X 1 COND
Conductor	24 AWG Bare Copper
Jacket	-40 PVC
Jacket Color	SLATE
OD	0.244
Insulation	SR-PVC
Insulation Colors	White, Brown, Green, Yellow, Slate, Pink, Blue, Red

### 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 cRU, UL File Number E485156

Cordage Applicable Specifications			
UL			
AWM/STYLE 10002	105°C / 300 V <sub>RMS</sub>		AWM/STYLE 2661
AWM/STYLE 2661			
			CSA International

### Environmental

**CE: EU Directive 2011/65/EU (RoHS3):**

All materials used in the manufacture of this part meet the requirements of European Directive 2011/65/EU (RoHS Directive) of the European Parliament and the amending Directive 2015/863/EU. Exemption used: 6c

**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 105°C(static), -15 to 105°C (dynamic)
Bend Radius	7X Cable Diameter(static), 10X Cable Diameter(dynamic)
Pull Tension	30 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 ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: DR08AW103

DR08AW103 , 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 this Directive for the specific definitions and extents of this Directive. **RoHS Compliance on this item is based on Exemption 6c, "Lead in Copper Alloys"**.

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)
Benzyl butyl 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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