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Customer Specification

PART NO. DR05AW106

Construction

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

| Cordage Construction | |
|----------------------|---|
| Cable Construction | 8 X 1 COND |
| Conductor | 22 (26/36) AWG BC |
| Jacket | -40 PVC |
| Jacket Color | SLATE |
| OD | 0.22 |
| Insulation | 0.011" Wall, Nom. SR-PVC |
| Insulation Colors | BLACK, BLUE, GREEN/YELLOW, BROWN, WHITE |

Applicable Specifications

| Cordset Applicable Specifications | |
|-----------------------------------|---|
| UL | ANSI/UL 2238, Cable Assembly Extension RU, UL File Number E485156 |
| 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 10002 | 105°C / 300 V _{RMS} | | 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 | 26 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: DR05AW106

DR05AW106 , 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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