

Customer Specification

PART NO. DW04DR117

Construction

| Cordset Configuration | |
|-----------------------|--|
| End 1 | M12M |
| End 2 | M12M 90 Degree |
| Insert | Black TPU |
| Mold Color | Black TPU |
| Contact | Copper Alloy, Gold Plated |
| Coupling Nut | Copper Alloy, Nickel Plated |
| Cordage Construction | |
| Cable Construction | 2 X 1 PAIR |
| Conductor | 24 (7/32) AWG TC |
| Jacket | TPE |
| Jacket Color | TEAL |
| OD | 0.246 |
| Insulation | 0.008" Wall, Nom. PO |
| Insulation Colors | White/Orange & Orange, White/Green & Green |

Applicable Specifications

| Cordset Applicable Specifications | |
|-----------------------------------|------|
| UL | |
| Ingress Protection | IP68 |
| CSA | |
| Cordage Applicable Specifications | |
| UL | |

| | | | |
|-----|------|--|-------------------|
| CMR | 75°C | | |
| | | | 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. |

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 |

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207

Tel: 1-800-52 ALPHA (25742)

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: DW04DR117

DW04DR117, 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, 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) |

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

6/13/2020

Alpha Wire

711 Lidgerwood Ave.

Elizabeth, NJ 07207

Tel: 1-908-925-8000