

Customer Specification

PART NO. M4223

Construction

| | | | | | | Diameter ("in") | |
|----------------|---------|------|-------|------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 1) Component 1 | | | | | | 1 x 1 COAX | |
| a) Conductor | | | | | | 23 (SOLID) AWG BCW | 0.023 |
| b) Insulation | | | | | | 0.0615" Wall, Nom. Polyethylene (PE) | 0.146 |
| (1) Color(s) | | | | | | | |
| Cond | Color | Cond | Color | Cond | Color | | |
| 1 | NATURAL | | | | | | |
| 2) Shield | | | | | | BC BRAID Shield,94% Coverage (min.) | |
| 3) Jacket | | | | | | 0.033" Wall, Nom., Type IIA PVC | 0.241+/- 0.003 |
| a) Color(s) | | | | | | BLACK | |
| b) Print | | | | | | ALPHA WIRE-* P/N M4223 RG-59B/U TYPE EXXXXX 60C 1C23 SHIELDED CMX (UL) C(UL) OR AWM 1354 CE ROHS * = Factory Code <i>Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.</i> | |

Applicable Specifications

| | | |
|----------------------|-------------------------------------|------------------------------|
| 1) UL | CMX | 60°C |
| | AWM/STYLE 1354 | 60°C / 30 V _{RMS} |
| 2) CSA International | C(UL) TYPE CMX | 60°C |
| 3) Military | MIL-C-17D/29B RG-59B/U | 60°C / 1700 V _{RMS} |
| 4) CE | EU Low Voltage Directive 2006/95/EC | |

Environmental

| |
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| |
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| Packaging | Flange x Traverse x Barrel (inches) |
|------------|--------------------------------------------|
| a) 1000 FT | 12 x 10 x 5 Continuous Length |
| b) 500 FT | 12 x 4.5 x 3.5 Continuous Length |
| c) 100 FT | 6.5 x 4 x 2.5 Continuous Length |
| | <i>Spool dimensions may vary slightly.</i> |
| | |

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: M4223

M4223, RoHS-Compliant Commencing With 2/1/2006 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, 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). This product also complies with UK - RoHS. 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. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

Substance

Lead
Mercury
Cadmium
Hexavalent Chromium
Polybrominated Biphenyls (PBB)
Polybrominated Diphenyl Ethers (PBDE) ,
Including Deca-BDE
Bis(2-ethylhexyl) phthalate (DEHP)
Butyl benzyl phthalate (BBP)
Dibutyl phthalate (DBP)
Diisobutyl phthalate (DIBP)

Maximum Control Value

0.1% by weight (1000 ppm)
0.1% by weight (1000 ppm)
0.01% by weight (100 ppm)
0.1% by weight (1000 ppm)
0.1% by weight (1000 ppm)

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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 9/15/2025

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374
Tel: 1-908-925-8000