

# Type ABR

Aluminum "Blue Ribbon" (ABR) This UL listed non-jacketed flexible aluminum conduit has many universal wiring applications. It is often referred to as "Greenfield" or "Reduced Wall Flex".



All Products Proudly Made in the USA

## Construction:

- High Strength Aluminum Alloy
- Helically wound, formed strip
- Reduced Wall Aluminum Gauge
- Approximately 1/3 the weight of RWS

## Application:

This conduit is intended for installation as a metal raceway for wires and cable in accordance with the NEC (ANSI/NFPA-70). Article 348.


- Permitted to be used in exposed and concealed locations (Section 348.10)
- For containment of 1000 volt and lower potential circuits (Unless otherwise permitted)
- Grounding conductor requirement for flexible installations (Section 348.60)
- Suitable as an equipment grounding conductor (Section 250.118(5))
- Wiring in elevators, hoist ways and escalators. (Section 620.21)
- Limit on use of 3/8 inch trade size. (Section 348.20)
- Raceway connection to motors (Section 430.223)
- Cranes and hoists (Section 610.11)
- Manufactured Wiring Systems (Section 604.6(a))
- Suitable for use with listed connectors intended for FMC (Flexible Metal Conduit)
- Flexible metal conduit is also permitted for use on industrial machinery (ANSI/NFPA-79) (Section 14.5.4).

## Markets:


Construction, Fixture / AC Whips, Security, Wastewater Treatment

## Product Information

### CERTIFICATIONS & COMPLIANCE

 Listed File #E53253 (sizes 3/8 & 1/2 through 3 inch). Conforms to Underwriters Laboratories

Standard ANSI/UL-1 for Flexible Metal Conduit.

 Certified File #LL18858 (3/8 & 7/16 inch size only) Conforms to CSA 22.2 No. 56 for use per the Canadian electrical code C22.1 Section 12-1000.

Meets Federal Specification **A-A-55810 Type II**. (Formerly WW-C-566c Type I)



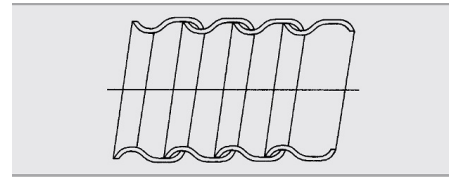
**WEEE and RoHS Compliant**



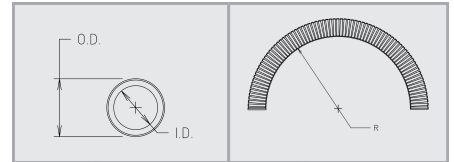
BS EN IEC 61386 Classification Code 445740300213 **CE**

**Declaration**

**ARRA:** For ARRA Certification Letter, please [click here](#)



## Types BR and ABR Strip Profile



## Product Table

| US Trade Size | ISO (MM) | CSA (MM) | Type    | Internal Diameter |           | Outer Diameter |           | Static (IN.) | Inside Bend Radius | Weight          |            |        |            |
|---------------|----------|----------|---------|-------------------|-----------|----------------|-----------|--------------|--------------------|-----------------|------------|--------|------------|
|               |          |          |         | Min (IN.)         | Max (IN.) | Min (IN.)      | Max (IN.) |              |                    | Lbs. per 100 Ft | Coil (Ft.) | Part # | Reel (Ft.) |
| 3/8"          | 16       | 12       | ABR-10  | 0.375             | 0.393     | 0.560          | 0.610     | 2.0          | 7.0                | 100             | 69401      | 1000   | 69404      |
| 7/16"         |          | 14       | ABR-716 | 0.437             | 0.457     |                | 0.675     | 2.25         | 7.7                | 100             | 69400      | 1000   | 694043     |
| 1/2"          | 20       | 16       | ABR-11  | 0.625             | 0.645     | 0.860          | 0.920     | 3.0          | 9.5                | 100             | 69411      | 1000   | 69414      |
| 3/4"          | 25       | 21       | ABR-12  | 0.812             | 0.835     | 1.045          | 1.105     | 4.0          | 13.5               | 100             | 69422      | 500    | 69424      |
| 1"            | 32       | 27       | ABR-13  | 1.000             | 1.040     | 1.300          | 1.380     | 5.0          | 18.0               | 50              | 69432      | 400    | 69434      |
| 1 1/4"        | 40       | 35       | ABR-14  | 1.250             | 1.300     | 1.550          | 1.630     | 6.2          | 22.0               | 50              | 69442      | 400    | 69444      |
| 1 1/2"        | 50       | 41       | ABR-15  | 1.500             | 1.575     | 1.850          | 1.950     | 7.5          | 26.0               | 25              | 69452      | 300    | 69454      |
| 2"            | 63       | 53       | ABR-16  | 2.000             | 2.080     | 2.350          | 2.454     | 10.0         | 35.0               | 25              | 69462      | 150    | 69464      |
| 2 1/2"        | 70       | 63       | ABR-17  | 2.500             | 2.700     | 2.860          | 3.060     | 12.5         | 57.0               | 25              | 69472      |        |            |
| 3"            | 80       | 78       | ABR-18  | 3.000             | 3.200     | 3.360          | 3.560     | 15.0         | 70.0               | 25              | 69482      |        |            |
| 3 1/2"        | 90       | 91       | ABR-350 | 3.500             |           | 3.860          | 4.060     | 17.5         | 58.0               | 25              | 69487      |        |            |
| 4"            | 100      | 103      | ABR-19  | 4.000             |           | 4.360          | 4.560     | 20.0         | 70.0               | 25              | 69492      |        |            |

### related products



### Type BR

"Blue Ribbon" (BR) This UL listed non-jacketed flexible steel conduit has many universal wiring applications. It is often referred to as "Greenfield" or "Reduced Wall Flex".

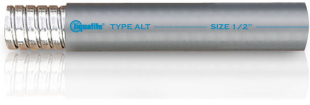
[see product detail »](#)



### Type ABRH

This CSA-certified, non-jacketed flexible aluminum conduit has many universal wiring applications. It is often referred to as "Heavy Wall Flex".

[see product detail »](#)



## Type ALT

This version of non-UL Liquidtight Flexible Conduit is similar to our standard Type LT but weighs considerably less due to the use of an aluminum inner core instead of steel.

[see product detail »](#)



## TYPE USL

This extra-flexible steel conduit is recognized by UL and CSA for use within listed and certified assemblies.

[see product detail »](#)