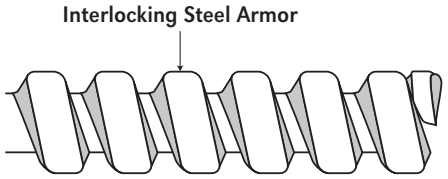
Flexible Metal Conduit

Reduced Wall Flexible Steel Conduit
Type RW FSC

Description

- Reduced Wall Flexible Steel Conduit
- High grade hot dipped zinc galvanized low carbon steel
- Interlocking design
- Corrosion resistant



Applications

- Flexible metal raceway for electrical power, control and communication cables
- Motor leads
- Listed assemblies
- Listed wire fixtures
- Manufactured wiring systems

References & Ratings

- UL 1, UL 1479, File Reference E11831, CSA File Number 15035, CSA C22.2 No. 56 (trade size 3/8 only)
- Federal Specification WW-C-566C, (now superseded by UL 1)
- NEC® 250.118(5), 300.22(C), 348, 430.223, 501.10(B)(2), 645.5
- Cable Tray installations per NEC®
- Environmental Air-Handling space installation NEC® 300.22(C)
- UL Classified 1, 2 and 3-hour Through-Penetration Fire Systems UL File R14141
- Made in USA of US and/or imported materials

Ordering Information

Product Dimensions/ Bend Radius

Product Code	Trade Size (inches)	Trade Size (mm)	Coil Length (feet)	Reel Length (feet)	Approx. Weight/ 100 feet (pounds)	Internal Diameter (min/max) inches	External Diameter (min/max) inches	Bend Radius (inches)
5501-22-00+	3/8	12	25'	–	17	0.375/0.393	0.560/0.610	2
5501-24-00+	3/8	12	50'	–	17	0.375/0.393	0.560/0.610	2
5501-30-00+	3/8	12	100'	–	17	0.375/0.393	0.560/0.610	2
5501-42-00+	3/8	12	250'	–	17	0.375/0.393	0.560/0.610	2
5501-45-00+	3/8	12	–	500'	17	0.375/0.393	0.560/0.610	2
5501-60-00+	3/8	12	–	1000'	17	0.375/0.393	0.560/0.610	2
5502-22-00	1/2	16	25'	–	27	0.625/0.645	0.860/0.920	3
5502-24-00	1/2	16	50'	–	27	0.625/0.645	0.860/0.920	3
5502-30-00	1/2	16	100'	–	27	0.625/0.645	0.860/0.920	3
5502-45-00	1/2	16	–	500'	27	0.625/0.645	0.860/0.920	3
5502-60-00	1/2	16	–	1000'	27	0.625/0.645	0.860/0.920	3
5503-22-00	3/4	21	25'	–	35	0.812/0.835	1.045/1.105	4
5503-24-00	3/4	21	50'	–	35	0.812/0.835	1.045/1.105	4
5503-30-00	3/4	21	100'	–	35	0.812/0.835	1.045/1.105	4
5503-45-00	3/4	21	–	500'	35	0.812/0.835	1.045/1.105	4
5503-60-00	3/4	21	–	1000'	35	0.812/0.835	1.045/1.105	4
5504-24-00	1	27	50'	–	51	1.000/1.040	1.300/1.380	5
5504-80-00	1	27	–	300'	51	1.000/1.040	1.300/1.380	5
5505-24-00	1¼	35	50'	–	63	1.250/1.300	1.550/1.630	6.25
5505-40-00	1¼	35	–	200'	63	1.250/1.300	1.550/1.630	6.25
5506-22-00	1½	41	25'	–	76	1.500/1.575	1.850/1.950	7.50
5506-80-00	1½	41	–	300'	76	1.500/1.575	1.850/1.950	7.50
5507-22-00	2	53	25'	–	100	2.000/2.080	2.350/2.450	10
5507-35-00	2	53	–	150'	100	2.000/2.080	2.350/2.450	10
5508-22-00	2½	63	25'	–	165	2.500/ –	2.860/3.060	12.50
5508-35-00	2½	63	–	150'	165	2.500/ –	2.860/3.060	12.50
5509-22-00	3	78	25'	–	197	3.000/ –	3.360/3.560	15
5509-30-00	3	78	–	100'	197	3.000/ –	3.360/3.560	15
5510-22-00	3½	91	25'	–	230	3.500/ –	3.860/4.060	17.50
5510-30-00	3½	91	–	100'	230	3.500/ –	3.860/4.060	17.50
5511-22-00	4	103	25'	–	263	4.000/ –	4.360/4.560	20
5511-30-00	4	103	–	100'	263	4.000/ –	4.360/4.560	20

NOTE: All dimensions and weights are subject to normal manufacturing tolerances.
+CSA certified

Review NEC® 348.60 and 250.118(5) for grounding requirements.

Flexible Metal Conduit

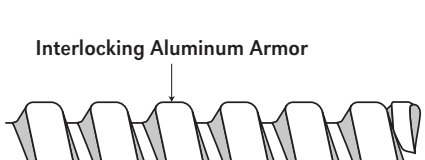
Reduced Wall Aluminum Flexible Metal Conduit
Type RW FAC

Description

- Lightweight Reduced Wall Aluminum Flexible Conduit
- Premium aluminum alloy
- Interlocking design

Applications

- Flexible metal raceway for electrical power, control and communication cables
- Motor leads
- Listed assemblies
- Listed wire fixtures
- Manufactured wiring systems



References & Ratings

- UL 1, UL 1479, File Reference E11831, CSA File Number 15035, CSA C22.2 No. 56 (trade size 3/8 only)
- Federal Specification WW-C-566C, (now superseded by UL 1)
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- Cable Tray installations per NEC®
- Environmental Air-Handling space installation NEC® 300.22(C)
- UL Classified 1, 2 and 3-hour Through-Penetration Fire Systems UL File R14141
- Los Angeles may allow longer lengths for grounding, check local codes for details, Application 93227
- Made in USA of US and/or imported materials

Ordering Information

Product Dimensions/ Bend Radius

Product Code	Trade Size (inches)	Trade Size (mm)	Coil Length (feet)	Reel Length (feet)	Approx. Weight/ 100 feet (pounds)	Internal Diameter (min/max) inches	External Diameter (min/max) inches	Bend Radius (inches)
5601-22-00+	3/8	12	25'	—	6	0.375/0.393	0.560/0.610	2
5601-24-00+	3/8	12	50'	—	6	0.375/0.393	0.560/0.610	2
5601-30-00+	3/8	12	100'	—	6	0.375/0.393	0.560/0.610	2
5601-42-00+	3/8	12	250'	—	6	0.375/0.393	0.560/0.610	2
5601-45-00+	3/8	12	—	500'	6	0.375/0.393	0.560/0.610	2
5601-60-00+	3/8	12	—	1000'	6	0.375/0.393	0.560/0.610	2
5602-22-00	1/2	16	25'	—	10	0.625/0.645	0.860/0.920	3
5602-24-00	1/2	16	50'	—	10	0.625/0.645	0.860/0.920	3
5602-30-00	1/2	16	100'	—	10	0.625/0.645	0.860/0.920	3
5602-45-00	1/2	16	—	500'	10	0.625/0.645	0.860/0.920	3
5602-60-00	1/2	16	—	1000'	10	0.625/0.645	0.860/0.920	3
5603-22-00	3/4	21	25'	—	12	0.812/0.835	1.045/1.105	4
5603-24-00	3/4	21	50'	—	12	0.812/0.835	1.045/1.105	4
5603-30-00	3/4	21	100'	—	12	0.812/0.835	1.045/1.105	4
5603-45-00	3/4	21	—	500'	12	0.812/0.835	1.045/1.105	4
5603-60-00	3/4	21	—	1000'	12	0.812/0.835	1.045/1.105	4
5604-24-00	1	27	50'	—	18	1.000/1.040	1.300/1.380	5
5604-80-00	1	27	—	300'	18	1.000/1.040	1.300/1.380	5
5605-24-00	1¼	35	50'	—	22	1.250/1.300	1.550/1.630	6.25
5605-40-00	1¼	35	—	200'	22	1.250/1.300	1.550/1.630	6.25
5606-22-00	1½	41	25'	—	26	1.500/1.575	1.850/1.950	7.50
5606-80-00	1½	41	—	300'	26	1.500/1.575	1.850/1.950	7.50
5607-22-00	2	53	25'	—	35	2.000/2.080	2.350/2.450	10
5607-35-00	2	53	—	150'	35	2.000/2.080	2.350/2.450	10
5608-22-00	2½	63	25'	—	57	2.500/ —	2.860/3.060	12.50
5608-35-00	2½	63	—	150'	57	2.500/ —	2.860/3.060	12.50
5609-22-00	3	78	25'	—	68	3.000/ —	3.360/3.560	15
5609-30-00	3	78	—	100'	68	3.000/ —	3.360/3.560	15
5610-22-00	3½	91	25'	—	80	3.500/ —	3.860/4.060	17.50
5610-30-00	3½	91	—	100'	80	3.500/ —	3.860/4.060	17.50
5611-22-00	4	103	25'	—	91	4.000/ —	4.360/4.560	20
5611-30-00	4	103	—	100'	90	4.000/ —	4.360/4.560	20

NOTE: All dimensions and weights are subject to normal manufacturing tolerances.
+CSA certified

Review NEC® 348.60 and 250.118(5) for grounding requirements.

WM TAO & ASSOCIATES
CONSULTING ENGINEERS

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: June 29, 2016

Attention: **stl-cac@cannondesign.com**

Contact Person / WTA Field Inspector: Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Bill Shaw

Project No. WT 14127.01

☐ UPS ☐ Courier ☒ **Email**

Copies	No.	Description
1 PDF	261300E03	(Submittal No. 261300-003) – Raceways & Boxes

Remarks:

c: **Kelvin Patel**
Kpatel@cannondesign.com

☒ **Furnish as Submitted** ☐ Furnish as Noted

☐ Rejected ☐ Revise & Resubmit

☐ Reviewed ☐

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.

WTASHOP - Webster ISB - 26 1300-003

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 6/20/2016 5:06 PM
Subject: Webster ISB - 26 1300-003
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>, "Grossman, Lynn" <lgrossman@C...
Attachments: 261300-003 Raceways and Boxes.pdf

Attached for review.

Melissa Pirtle
Construction Admin
CANNONDESIGN
1100 Clark Ave
St. Louis, Missouri 63102
T 314.425.8797 • M
cannondesign.com

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

261300-003
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

261300
SPECIFICATION SECTION / PARAGRAPH

Guarantee Electrical
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◉ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◯ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

6/20/16
DATE

To be completed by Reviewer

26 1300-003
CANNON DESIGN SUBMITTAL NUMBER

6/21/16
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◯ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

REVIEWED BY

DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0097

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/20/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Raceways and Boxes

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		261300-003	1		06/20/2016	Raceways and Boxes	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

GUARANTEE
ELECTRICAL CONSTRUCTION

3415 Bent Avenue
St. Louis, MO 63116
Phone: (314) 772-5400
Fax: (314) 772-2526

Transmittal

To Paric Corporation

Date 6/16/16

Job Number 11317

Job Name Webster Univ. ISB Building

Attention Devin Gates

Transmittal Number 11317-003

We are sending you:

- X Attached
- ___ Under separate cover, the following:
- ___ Preliminary Drawings
- ___ Samples
- ___ Construction Drawings
- ___ Copy of Letter
- ___ Specifications
- ___ Other

Quantity	Drawing #	Date/Revision	Description
1			Submittal for Raceways & Boxes - Spec
			Section 26 13 00

These are transmitted as checked:

- X For Your Review & Comment
- X For Approval
- ___ For Your File
- ___ As Requested
- ___ Approved As Noted
- ___ Returned For Corrections
- ___ Approved As Submitted
- ___

Copy: Transmittal Enclosure

___ ___

___ ___

___ ___

Rick Branstetter

Signed: Rick Branstetter, Project Manager