

AFC CABLE SYSTEMS UL LISTED TYPE MC-PCS* MC LUMINARY CABLE™



MC Luminary Cable™ (U.S. Patent Pending)

UL Listed Type MC-PCS*

Lighting and low voltage circuits in one cable

***For use with LED and Fluorescent dimming and
SMART Buildings***

Get more info at afcweb.com

DESCRIPTION

- Armor: Galvanized Interlocking Steel Strip (blue armor) or Interlocking Aluminum Strip
- Solid or Stranded Copper Conductors
- Insulated Conductor Type THHN or TFN
- Neutral Conductor: White or Gray
- Control Cables: 16 AWG Solid TFN Twisted jacketed pair (Purple/Gray)
- Permits conductors of control circuits to be placed in a cable with conductors of electric light, power, or Class 1 circuits
- May be surface mounted, fished and/or embedded in plaster
- Up to 30% labor and installation costs

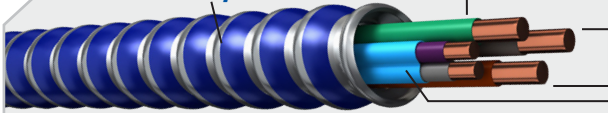
REFERENCES & RATINGS

- UL 66, 83, 1479, 1569, 1581, 2556, File Reference E80042
- NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 725
- Federal Specification A-A-59544 (formerly J-C-30B)
- Meets all applicable OSHA and HUD Requirements
- Cable Tray Rated, install per NEC®
- UL Classified 1, 2, and 3 hour through penetration (Fire Stop) product, R 14141
- Environmental Air-Handling Space Installation per NEC® 300.22(C)
- Power and/or lighting as well as signal and/or control conductors per NEC Section 725.136(I)(1)*
- Made in USA of US and/or imported materials

MC LUMINARY CABLE™

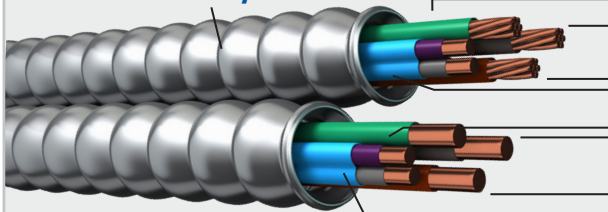
UL LISTED TYPE MC-PCS*

MC Tuff Luminary Cable™

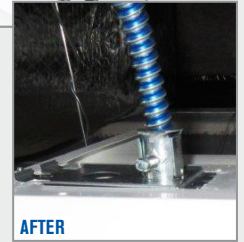


- Green Ground
- Copper Conductors
- Twisted Jacketed Pair

MC Lite Luminary Cable™



- Green Ground
- Stranded Copper Conductors
- Twisted Jacketed Pair
- Green Ground
- Copper Conductors
- Twisted Jacketed Pair



MC LUMINARY SPECIFICATIONS

PRODUCT CODE		TRADE SIZE	LENGTH (FT)		APPROXIMATE WEIGHT LBS/1,000FT	APPROXIMATE ARMOR O.D. INCHES
COIL	REEL		COIL	REEL		

MC TUFF LUMINARY SOLID

18BEB42T500	18BEB60T500	16-2 (1TPJ) Purple, Gray 12-2 Black, White, Green	250	1000	237.7	0.626
18BEB42T504	18BEB60T504	16-2 (1TPJ) Purple, Gray 12-2 Red, White, Green	250	1000	237.7	0.626
18BEB42T505	18BEB60T505	16-2 (1TPJ) Purple, Gray 12-2 Blue, White, Green	250	1000	237.7	0.626
18BEB42T501	18BEB60T501	16-2 (1TPJ) Purple, Gray 12-2 Brown, Gray, Green	250	1000	237.7	0.626
18BEB42T502	18BEB60T502	16-2 (1TPJ) Purple, Gray 12-2 Orange, Gray, Green	250	1000	237.7	0.626
18BEB42T503	18BEB60T503	16-2 (1TPJ) Purple, Gray 12-2 Yellow, Gray, Green	250	1000	237.7	0.626
18BMB42T500	18BMB60T500	16-2 (1TPJ) Purple, Gray 12-3 Black, Red, White, Green	250	1000	268.6	0.653
18BMB42T501	18BMB60T501	16-2 (1TPJ) Purple, Gray 12-3 Brown, Orange, Gray, Green	250	1000	268.6	0.653
18BKB42T500	18BKB60T500	16-2 (1TPJ) Purple, Gray 10-2 Black, White, Green	250	1000	291.4	0.670
18BKB42T501	18BKB60T501	16-2 (1TPJ) Purple, Gray 10-2 Brown, Gray, Green	250	1000	291.4	0.670

MC LITE LUMINARY SOLID

18BF-42-500	18BF-60-500	16-2 (1TPJ) Purple, Gray 12-2 Black, White, Green	250	1000	156.3	0.626
18BF-42-504	18BF-60-504	16-2 (1TPJ) Purple, Gray 12-2 Red, White, Green	250	1000	156.3	0.626
18BF-42-505	18BF-60-505	16-2 (1TPJ) Purple, Gray 12-2 Blue, White, Green	250	1000	156.3	0.626
18BF-42-501	18BF-60-501	16-2 (1TPJ) Purple, Gray 12-2 Brown, Gray, Green	250	1000	156.3	0.626
18BF-42-502	18BF-60-502	16-2 (1TPJ) Purple, Gray 12-2 Orange, Gray, Green	250	1000	156.3	0.626
18BF-42-503	18BF-60-503	16-2 (1TPJ) Purple, Gray 12-2 Yellow, Gray, Green	250	1000	156.3	0.626
18BG-42-500	18BG-60-500	16-2 (1TPJ) Purple, Gray 12-3 Black, Red, White, Green	250	1000	182.6	0.653
18BG-42-501	18BG-60-501	16-2 (1TPJ) Purple, Gray 12-3 Brown, Orange, Gray, Green	250	1000	182.6	0.653
18BH-42-500	18BH-60-500	16-2 (1TPJ) Purple, Gray 10-2 Black, White, Green	250	1000	201.7	0.670
18BH-42-501	18BH-60-501	16-2 (1TPJ) Purple, Gray 10-2 Brown, Gray, Green	250	1000	201.7	0.670

MC LITE LUMINARY STRANDED (16-2 SOLID)

18SF-42-500	18SF-60-500	16-2 (1TPJ) Purple, Gray 12-2 Black, White, Green	250	1000	159.2	0.641
18SF-42-501	18SF-60-501	16-2 (1TPJ) Purple, Gray 12-2 Brown, Gray, Green	250	1000	159.2	0.641
18SI-42-500	18SI-60-500	16-2 (1TPJ) Purple, Gray 12-3 Black, Red, White, Green	250	1000	187.9	0.666
18SI-42-501	18SI-60-501	16-2 (1TPJ) Purple, Gray 12-3 Brown, Orange, Gray, Green	250	1000	187.9	0.666

Other custom constructions available subject to minimums and manufacturing lead-times; contact your AFC Representative for more information.

MC Luminary Cable™ is intended for use in non shielded applications

*All cables manufactured after Jan 1, 2015



Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: August 8, 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	261200E01	(Submittal No.'s) (R&B CxSRC - None)
		(Cannon #261200-003) - (Paric #15051-) - (WES #607)
		• Wiring 600 Volts or Less

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 1200-003

From: STL-CAC <STL-CAC@CANNONDESIGN.COM>
To: 'Patrick Garner' <pgarner@wmtao.com>, WTASHOP <wtashop@wmtao.com>
Date: 8/2/2016 2:48 PM
Subject: Webster ISB - 26 1200-003
Cc: "Patel, Kelvin" <kpatel@CANNONDESIGN.COM>
Attachments: 261200-003 Wiring 600V or Less Product Data.pdf

Attached for review.

Melissa Pirtle
Construction Admin

CANNONDESIGN

1100 Clark Ave
St. Louis, Missouri 63102
T [314.425.8797](tel:314.425.8797) • M
cannondesign.com

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICALITY	

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
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.

ITEM BEING SUBMITTED (check only one)

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

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 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.

Ry:

Devin D. Gates

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0167

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 08/02/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Wiring 600V or Less Product Data

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		261200-003	1		08/02/2016	Wiring 600V or Less Product Data	Submitted

NOTES:

CC:

Signed: _____
Devin Gates

Transmittal

To Paric Corporation

Date 8/1/16

Job Number 11317

Job Name Webster Univ. ISB Building

Attention Devin Gates

Transmittal Number 11317-013

We are sending you:

☒ Attached

☐ Under separate cover, the following:

☐ Preliminary Drawings

☐ Samples

☐ Construction Drawings

☐ Copy of Letter

☐ Specifications

☐ Other _____

Quantity	Drawing #	Date/Revision	Description
1			Submittal for Wire 600V or Less - Spec
			Section 26 12 00

These are transmitted as checked:

☒ For Your Review & Comment

☐ Approved As Noted

☒ For Approval

☐ Returned For Corrections

☐ For Your File

☐ Approved As Submitted

☐ As Requested

☐

Copy:

Transmittal

Enclosure

Rick Branstetter

Signed: Rick Branstetter, Project Manager