

# MC Luminary® PVC Jacketed

Interlocked Galvaized Steel Armor w/ Overall PVC Jacket - Type MC-PCS



## Armor

- Interlocked Galvanized Steel Strip w/ Charcoal Gray PVC Jacket

## Conductors

- Solid Copper (Power)
- Solid Copper (Control)

## Conductors Insulation

- THHN/THWN (Power)
- TFN (Control)

## Assembly Covering

- Polypropylene Tape

## Neutral Conductor

- White 120/208V
- Gray 277/480V

## Grounding

- Insulated Green Copper Grounding Conductor

## Control Cables

- 16 AWG Solid TFN Twisted Pink Jacketed Pair (Purple/Pink)

## Maximum Temperature Rating

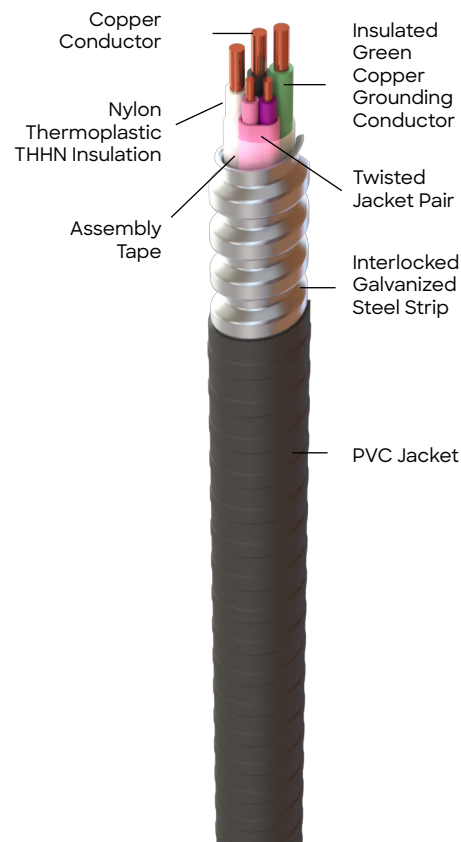
- 90°C (Dry); 75°C (Wet)

## Maximum Voltage Rating

- 600V

## References & Ratings

- UL 66,83,1479,1569,1581, 2556, File Reference E80042
- NEC® 250.118(I), 300.22(C), 330, 392, 396, 501, 502, 503, 504, 505, 518, 520, 530, 645, 725.136(I)(1)
- NEC® 300.22 (C) Other Spaces Used For Environmental Air (Plenums)
- Power and/or lighting as well as signal and/or control conductors per NEC® section 725.136 (I)(1)
- UL classified 1, 2, and 3, hour through (Fire) penetration product R14141
- UL listed for direct burial in earth or concrete encasement
- Listed for -40°C low temperature use
- Sunlight and oil resistant with direct plow-in capability
- Cable tray rated, install per NEC®
- Federal Specification A-A-59544 (formerly J-C-30B)
- Meets all applicable OSHA and HUD requirements
- Made in USA of US and /or imported materials
- U.S. Patent 10,431,353



Conductor					Product Code		Approx. Weight	Approx. Armor O.D.	Approx. Overall Jacket O.D.	PVC Jacket Color
Trade Size	Phase Conductor AWG (Color)	Neutral Conductor AWG (Color)	Grounding Conductor AWG (Color)	Control Conductors AWG (Colors)	250' Coil	1000' Reel	(lb/1000ft)	(in)	(in)	
12-2	12-1 Solid (Black)	12-1 Solid (White)	12-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ04-42-L00	LJ04-60-L00	326	0.636	0.736	Charcoal Gray
12-2	12-1 Solid (Brown)	12-1 Solid (Gray)	12-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ04-42-L01	LJ04-60-L01	326	0.636	0.736	Charcoal Gray
12-2	12-1 Solid (Orange)	12-1 Solid (Gray)	12-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ04-42-L02*	LJ04-60-L02*	326	0.636	0.736	Charcoal Gray
12-2	12-1 Solid (Yellow)	12-1 Solid (Gray)	12-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ04-42-L03*	LJ04-60-L03*	326	0.636	0.736	Charcoal Gray
12-2	12-1 Solid (Red)	12-1 Solid (White)	12-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ04-42-L04*	LJ04-60-L04*	326	0.636	0.736	Charcoal Gray
12-2	12-1 Solid (Blue)	12-1 Solid (White)	12-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ04-42-L05*	LJ04-60-L05*	326	0.636	0.736	Charcoal Gray
12-3	12-2 Solid (Black, Red)	12-1 Solid (White)	12-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ05-42-L00*	LJ05-60-L00*	360	0.660	0.760	Charcoal Gray
12-3	12-2 Solid (Brown, Orange)	12-1 Solid (Gray)	12-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ05-42-L01*	LJ05-60-L01*	360	0.660	0.760	Charcoal Gray
10-2	10-1 Solid (Black)	10-1 Solid (White)	10-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ07-42-L00*	LJ07-60-L00*	389	0.667	0.767	Charcoal Gray
10-2	10-1 Solid (Brown)	10-1 Solid (Gray)	10-1 Solid (Green)	16-2 Solid (TPJ) (Purple, Pink)	LJ07-42-L01*	LJ07-60-L01*	389	0.667	0.767	Charcoal Gray

Note: All dimensions and weights are subject to normal manufacturing tolerances. Other conductor colors available by special order. \*Special Order, subject to lead times and minimum order quantities

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

Recommend Atkore Fittings:

Atkore-596-U Uninsulated Trade Size ½"

Atkore-596-I Insulated Trade Size ½"