

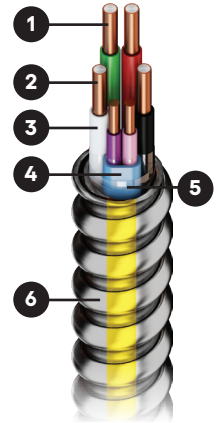
Type MC PCS Armored Cable



600V | Metal-Clad Cable with Power and Control/Signal Element

Engineering Specifications:

- **Standards:** UL 66, UL 83, UL 1569, UL 1581, UL 2556, ASTM B566
- **Listings and Compliance:** UL: E523379, E510284, E538020, RoHS Compliant, REACH Compliant
- **Construction:**
 - **Conductors** – UL recognized component (DVVV2); sizes 12-10 AWG: solid, annealed THHN/THWN-2 Copper-Clad Aluminum (CCA); sizes 8 AWG and larger: stranded, annealed THHN/THWN-2 CCA
 - **Conductor Insulation** – Color-coded Polyvinyl Chloride (PVC) compound meeting the required thickness of Type THHN/THWN-2 with a heat-stabilized nylon jacket
 - **PCS Element** – Power and Control Signal element with two 16 AWG copper TFN conductors in a 0.030" PVC jacket
 - **Metal Clad Armor** – Lightweight aluminum interlocking armor



- 1 Green insulated ground wire
- 2 Copperweld CCA conductor
- 3 THHN / THWN-2 circuit conductors
- 4 PCS element
- 5 Separator tape
- 6 Interlocking aluminum armor

Identification and Applications:

- **Identification:** Copperweld® MC PCS cable is identified for use with wiring devices, splice connectors and equipment terminals rated for CC, Cu, Cu/Al and CO/ALR. Copperweld® Copper-Clad Aluminum is not dissimilar metallurgically to copper, brass or zinc-plated steel. If splicing with twist-on splice connectors, pre-twisting is not required. Copperweld® MC PCS Cable is made with ASTM B566 Copper-Clad Aluminum bare wire, which carries its own component listing, DVVV2, and is an NEC requirement.
- **Applications:** Refer to Article 330 and 725 of the NEC. For applications suited for cables with LV power with control/ signal/lighting conductors. Power and/or lighting circuits, as well as signal and/or control circuits, meet the requirements of NEC Section 725.

CCA Size (AWG)	No. of Strands	Insulated Green Ground Size	Outside Diameter (in)	Approx. Weight (lbs/1000 ft)	CCA Allowable Amperage*	
					75° C	90° C
12/2	Solid	12	0.55	113.0	20	25
12/3	Solid	12	0.58	138.2	20	25
12/4	Solid	12	0.61	151.7	20	25
10/2	Solid	10	0.60	144.0	25	30
10/3	Solid	10	0.64	166.7	25	30
10/4	Solid	10	0.67	186.5	25	30
12/2	7	12	0.56	124.6	20	25
12/3	7	12	0.60	147.0	20	25
12/4	7	12	0.64	174.4	20	25
10/2	7	10	0.61	150.6	25	30
10/3	7	10	0.67	170.4	25	30
10/4	7	10	0.70	188.4	25	30
8/2	7	8	0.71	192.1	35	40
8/3	7	8	0.78	240.6	35	40

* Ampacity of conductors are based on the Copper-Clad Aluminum columns of NFPA 70 (NEC 2026) Table 310.16 and in accordance with section 330.80. See sections 110.14 and 240.4(D) for specific sizing limitations based upon electrical connection temperature ratings and circuit-size over-current protection values.



615-377-4200
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Ordering Information:

CCA Size	Solid or Stranded	Conductor Color Sequence*	Standard Packaging**	Part Number***
12/2	Solid	BK, WT, GR (G)	250' or 1000'	12/2MCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
12/3	Solid	BK, WT, RD, GR (G)	250' or 1000'	12/3MCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
12/4	Solid	BK, WT, RD, BL, GR (G)	250' or 1000'	12/4MCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
10/2	Solid	BK, WT, GR (G)	250' or 1000'	10/2MCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
10/3	Solid	BK, WT, RD, GR (G)	250' or 1000'	10/3MCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
10/4	Solid	BK, WT, RD, BL, GR (G)	250' or 1000'	10/4MCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
12/2	Stranded	BK, WT, GR (G)	250' or 1000'	12/2MCPCS-7/1-CCA-AP1-[Ft]-[Pkg]
12/3	Stranded	BK, WT, RD, GR (G)	250' or 1000'	12/3MCPCS-7/1-CCA-AP1-[Ft]-[Pkg]
12/4	Stranded	BK, WT, RD, BL, GR (G)	250' or 1000'	12/4MCPCS-7/1-CCA-AP1-[Ft]-[Pkg]
10/2	Stranded	BK, WT, GR (G)	250' or 1000'	10/2MCPCS-7/1-CCA-AP1-[Ft]-[Pkg]
10/3	Stranded	BK, WT, RD, GR (G)	250' or 1000'	10/3MCPCS-7/1-CCA-AP1-[Ft]-[Pkg]
10/4	Stranded	BK, WT, RD, BL, GR (G)	250' or 1000'	10/4MCPCS-7/1-CCA-AP1-[Ft]-[Pkg]
8/2	Stranded	BK, WT, GR (G)	250' or 1000'	8/2MCPCS-7/1-CCA-AP1-[Ft]-[Pkg]
8/3	Stranded	BK, WT, RD, GR (G)	250' or 1000'	8/3MCPCS-7/1-CCA-AP1-[Ft]-[Pkg]

* Insulation colors: Black (BK), White (WT), Red (RD), Blue (BL), Green (GR) unless otherwise noted. Other color combinations are available on request, including standard 480V colors.

** Packaging: Other packaging and denomination options are available on request.

*** Part Number Legend: [Size/# of Circuit Cond.][Type]-[# of Strands Circuit Cond. / Ground Cond.]-CCA-AP1-[Length in Feet]-[Packaging]

- Standard Packaging [Pkg]: Hand Coils [C], Plastic Spools or Wooden Reels [RL]



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