

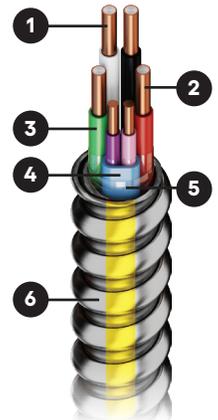
Type MC PCS Armored Cable



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 Copperweld CCA conductor
- 2 THHN / THWN-2 circuit conductors
- 3 Green insulated ground wire
- 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 Metal-Clad product is based on NFPA 70 (NEC) Table 310.16 for a temperature rating of the conductors of 75°C and 90°C according to article 340.80 (Ampacity for MC Cable).



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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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