

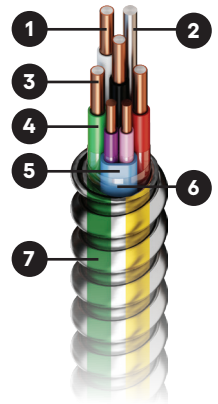
# Type MC HCPCS Armored Cable



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

## Engineering Specifications:

- **Standards:** UL66, UL 83, UL 1569, UL 1581, UL 2556, ASTM B566, ASTM B800
- **Listings and Compliance:** UL: E510284, E523379, and 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
  - **Grounding** – Aluminum series 8000 bonding conductor to provide grounding/bonding path
  - **Metal Clad Armor** – Lightweight aluminum interlocking armor



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

## Identification and Applications:

- **Identification:** Copperweld® MC HCA 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 HCA PCS Cable is made with ASTM B-566 Copper-Clad Aluminum bare wire, which carries its own component listing, DVVV2, and is an NEC requirement.
- **Applications:** Refer to Article 330 and 517 of the NEC. Suitable for use in “Patient Care” areas of hospitals and health care facilities. Power and/or lighting circuits, as well as signal and/or control circuits, meet the requirements of NEC Section 725.136.

CCA Size (AWG)	No. of Strands	Insulated Green Ground Size	Solid Alum. Bonding Cond. Size	Outside Diameter (in)	Approx. Weight (lbs/1000 ft)	CCA Allowable Amperage*	
						75° C	90° C
12/2	Solid	12	12	0.56	131.4	20	25
12/3	Solid	12	12	0.59	145.3	20	25
10/2	Solid	10	10	0.62	155.6	30	35
10/3	Solid	10	10	0.67	178.3	30	35
8/2	7	8	8	0.73	209.2	40	45
8/3	7	8	8	0.82	264.9	40	45

\* 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).



615-377-4200  
buildingwire@copperweld.com



# Type MC HCPCS Armored Cable



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

## Ordering Information:

CCA Size	Conductor Color Sequence*	Standard Packaging**	Part Number***
12/2	BK, WT, GR (G)	250' or 1000'	12/2HCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
12/3	BK, WT, RD, GR (G)	250' or 1000'	12/3HCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
10/2	BK, WT, GR (G)	250' or 1000'	10/2HCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
10/3	BK, WT, RD, GR (G)	250' or 1000'	10/3HCPCS-1/1-CCA-AP1-[Ft]-[Pkg]
8/2	BK, WT, GR (G)	250' or 1000'	8/2HCPCS-7/1-CCA-AP1-[Ft]-[Pkg]
8/3	BK, WT, GR (G)	250' or 1000'	8/3HCPCS-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-A-[Length in Feet]-[Packaging]

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



615-377-4200  
buildingwire@copperweld.com

