

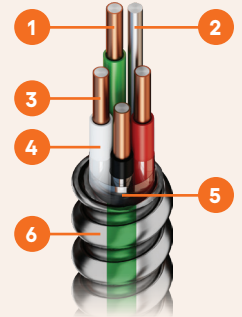
# Type MC HCF Armored Cable

600V | Metal-Clad Cable for Healthcare Facilities



## Engineering Specifications:

- **Standards:** 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) with CCA ground; sizes 8 AWG and larger: stranded, annealed THHN/THWN-2 CCA with CCA ground
  - **Conductor Insulation** – Color-coded Polyvinyl Chloride (PVC) compound meeting the required thickness of Type THHN/THWN-2 with a heat-stabilized nylon jacket
  - **Grounding** – Aluminum series 8000 bonding conductor to provide grounding/bonding path
  - **Metal Clad Armor** – Lightweight aluminum interlocking armor
- **Identification and Applications:**
  - **Identification:** Copperweld® MC HCF 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 zincplated steel. If splicing with twist-on splice connectors, pretwisting is not required. Copperweld® MC HCF 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.



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

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	0.48	89.6	20	25
12/3	Solid	12	12	0.51	104.8	20	25
12/4	Solid	12	12	0.55	120.4	20	25
10/2	Solid	10	10	0.55	116.4	30	35
10/3	Solid	10	10	0.59	139.4	30	35
10/4	Solid	10	10	0.64	162.3	30	35
8/2	7	8	8	0.68	172.2	40	45
8/3	7	8	8	0.74	210.2	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).



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## Ordering Information:

CCA Size	Conductor Color Sequence*	Standard Packaging**	Part Number***
12/2	BK, WT, GR (G)	250' or 1000'	12/2HCF-1/1-CCA-A-[Ft]-[Pkg]
12/3	BK, WT, RD, GR (G)	250' or 1000'	12/3HCF-1/1-CCA-A-[Ft]-[Pkg]
12/4	BK, WT, RD, BL, GR (G)	250' or 1000'	12/4HCF-1/1-CCA-A-[Ft]-[Pkg]
10/2	BK, WT, GR (G)	250' or 1000'	10/2HCF-1/1-CCA-A-[Ft]-[Pkg]
10/3	BK, WT, RD, GR (G)	250' or 1000'	10/3HCF-1/1-CCA-A-[Ft]-[Pkg]
10/4	BK, WT, RD, BL, GR (G)	250' or 1000'	10/4HCF-1/1-CCA-A-[Ft]-[Pkg]
8/2	BK, WT, GR (G)	250' or 500'	8/2HCF-7/1-CCA-A-[Ft]-[Pkg]
8/3	BK, WT, RD, GR (G)	250' or 500'	8/3HCF-7/1-CCA-A-[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]