

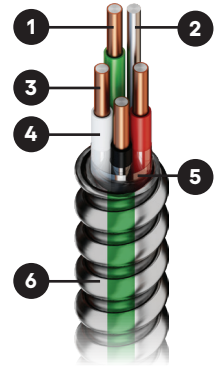
# Type MC HCF Armored Cable



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



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

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]



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