

MC Cable — Metal Clad Cable

600V · 90°C | Interlocked Aluminum Armor | Branch Circuit & Feeder — No Conduit Required

PRODUCT OVERVIEW

Mirabel Energy USA MC (Metal Clad) Cable is a factory-assembled wiring system combining THHN/THWN-2 conductors with an interlocked aluminum armor jacket — providing branch circuit and feeder wiring capability without the need for conduit or raceway. The interlocked aluminum armor serves as a continuous equipment grounding conductor path and provides mechanical protection against physical damage, making MC cable ideal for commercial construction, tenant improvement projects, data centers, and industrial facilities where conduit installation is impractical or cost-prohibitive. MC cable is approved for installation in exposed and concealed locations, in cable trays, and where subject to physical damage (Type MC-HL) — offering significant labor savings vs. individual conductors in EMT or rigid conduit. Available in 2-conductor, 3-conductor, and 4-conductor configurations with and without a separate ground conductor.

600V Voltage Rating	90°C Temperature Rating	Al Interlocked Armor Construction	No Conduit Needed Key Advantage
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APPLICATIONS

- Commercial office, retail, and healthcare branch circuit wiring
- Data center power distribution — PDU to rack branch circuits
- Industrial facility equipment branch circuits and feeders
- Tenant improvement and retrofit wiring without conduit rough-in
- Cable tray feeder runs in open-ceiling commercial construction
- Lighting, receptacle, and HVAC circuits in all commercial occupancies

KEY SPECIFICATIONS

- Interlocked aluminum armor — mechanical protection without conduit
- THHN/THWN-2 conductors: 90°C dry / 75°C wet, 600V
- Aluminum armor provides equipment grounding conductor (EGC) path
- NEC Article 330 — approved for exposed, concealed, and cable tray installation
- Available 2/C, 3/C, 4/C with or without separate green ground conductor
- Conductor sizes: #14 AWG – 1000 kcmil copper (stranded)
- HCF (Health Care Facilities) and LSZH jacket versions available
- MC-HL (Heavy Duty) listed for areas subject to physical damage

TECHNICAL SPECIFICATIONS

Parameter	MC Cable (Standard)	MC-HCF (Healthcare)
Voltage Rating	600V	600V
Temperature Rating	90°C dry / 75°C wet	90°C dry / 75°C wet
Armor Material	Interlocked aluminum	Interlocked aluminum
Conductors	THHN/THWN-2 Cu	THHN/THWN-2 Cu
Ground Conductor	Optional green	Green insulated
Configurations	2/C, 3/C, 4/C	2/C, 3/C, 4/C
Standard	UL 1569 / NEC 330	UL 1569 / NFPA 99

SIZES & CONFIGURATIONS #14 AWG – 1000 kcmil Cu 2/C, 3/C, 4/C Standard, HCF, LSZH jacket options	STOCKING LOCATIONS Reno, NV · Houston, TX Standard & project-phased delivery	OEM REPRESENTATIVE GCP Energy LLC — Salt Lake City, UT portal.gcpenergy.us
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