

# MC Fire Alarm & Control Cable



## Construction

Conductor: THHN/THWN-2 Solid Copper Conductor

Insulation: PVC

Aarmor: Interlocked Aluminum ArmorColor: Red

## Applications

MC Fire Alarm Control Cable is typically used for connecting smoke detectors, signaling devices, and voice communication systems in high-rise commercial buildings, hospitals, and educational facilities. The robust interlocked armor provides built-in mechanical protection, allowing for 'fishable' installation in concealed walls, above suspended ceilings, and in cable trays.

## Standards

Product Standard: UL 1569 (Metal-Clad Cables)

NEC Compliance:

NEC Article 330: Metal Clad Cable (Type MC).

NEC Article 760: Fire Alarm Systems (Type FPL).

NEC Article 300.22 (C): Permitted for use in Other Spaces Used for Environmental Air (Plenums).

Flame Rating: UL 1685 (Vertical Tray Flame Test)

Environmental: RoHS 3 & REACH Compliant.



## Specification

Related Voltage	450/750V
Temperature Range	-20 to 90°C
Permissible short circuit temperature at the conductor	+250°C (Short circuit duration max. 5 s)
Minimum bending radius	7x

## Technical Data (64/110kV )

Size (AWG) & No. of Conductors	Conductor Type	Insulation Thickness (mm)	Nominal Armor O.D. (mm)	Approx. Net Weight (kg/km)
18 AWG x 2	Solid Copper	0.38	10.3	65
18 AWG x 4	Solid Copper	0.38	11.1	85
16 AWG x 2	Solid Copper	0.38	10.8	78
16 AWG x 4	Solid Copper	0.38	11.9	105
14 AWG x 2	Solid Copper	0.38	11.6	108
14 AWG x 4	Solid Copper	0.38	12.9	155
12 AWG x 2	Solid Copper	0.38	13.4	145
12 AWG x 4	Solid Copper	0.38	14.8	215