

## Duraclad Type MC - Lightweight Steel Armor

# Duraclad® Type MC

14 AWG through 6 AWG Copper THHN/THWN Insulated Singles. Green Copper THHN Insulated Grounding Conductor. UL Listed. 600 Volts. Rated VW-1. Lightweight Steel Interlocked Armor. Also available in Blue Steel Armor.

## APPLICATIONS

**Southwire Duraclad® Type MC Cable is suitable for use as follows:**

- Branch, feeder and service power distribution in commercial, industrial, institutional, and multi-residential buildings.
- Fished or embedded in plaster.
- Concealed or exposed installations.
- Environmental air-handling spaces per NEC 300.22(C).
- Places of Assembly per NEC 518.4 and theaters per NEC 520.5.
- Installation in cable tray and approved raceways.
- Under raised floors for information technology equipment conductors and cables per NEC 645.5(D) & 645.5(D)(2).
- Class I Div. 2, Class II Div. 2, & Class III Div. 1 Hazardous Locations.

## STANDARDS & REFERENCES

**Southwire Duraclad® Type MC Cable meets or exceeds the following requirements:**

- UL 83
- UL 1569
- UL 1685
- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) ( [www.ul.com](http://www.ul.com) )
- Federal Specification A-A-59544
- NFPA 70 (National Electrical Code), Article 330
- Jacketed & Non Jacketed will both pass " UL Test" & "FT4/IEEE 1202" (70,000 Btu/hr) Vertical Cable Tray Flame Test
- Listed for use in UL 1, 2, and 3 Hour Through-Penetration Firestop Systems
- REACH/RoHS-2 (Chemical Limit) Compliant

## CONSTRUCTION

Southwire Duraclad Type MC Cable is constructed with soft-drawn copper, Type THHN/THWN conductors and a green insulated grounding conductor. The conductors are cabled together and a binder tape bearing the print legend is wrapped on the assembly. Light weight galvanized steel interlocked armor is applied over the assembly. Blue steel armor is also available.



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CONDUCTOR SIZE AND COLORS	GROUNDING SIZE AND COLOR	STOCK NUMBER		WEIGHT (LBS/1000')	OVERALL DIAMETER (INCHES)
		COIL (250')	REEL (1000')		
<b>SOLID CONDUCTOR COLORS 120/208V</b>					
14-2 SOLID (BLACK/WHITE)	14 SOLID (GREEN)	55-17-15-01	55-17-15-02	115	.447
14-3 SOLID (BLACK/WHITE/RED)	14 SOLID (GREEN)	55-17-28-01	55-17-28-02	138	.464
14-4 SOLID (BLACK/WHITE/RED/BLUE)	14 SOLID (GREEN)	55-17-33-01	55-17-33-02	154	.502
12-2 SOLID (BLACK/WHITE)	12 SOLID (GREEN)	55-17-16-01	55-17-16-02	142	.475
12-3 SOLID (BLACK/WHITE/RED)	12 SOLID (GREEN)	55-17-29-01	55-17-29-02	172	.513
12-4 SOLID (BLACK/WHITE/RED/BLUE)	12 SOLID (GREEN)	55-17-34-01	55-17-34-02	201	.547
10-2 SOLID (BLACK/WHITE)	10 SOLID (GREEN)	55-17-17-01	55-17-17-02	197	.550
10-3 SOLID (BLACK/WHITE/RED)	10 SOLID (GREEN)	55-17-30-01	55-17-30-02	240	.588
10-4 SOLID (BLACK/WHITE/RED/BLUE)	10 SOLID (GREEN)	55-17-35-01	55-17-35-02	284	.631
<b>STRANDED CONDUCTOR COLORS 120/208V</b>					
12-2 STRANDED (BLACK/WHITE)	12 STRANDED (GREEN)	55-64-36-01	55-64-36-02	157	.495
12-3 STRANDED (BLACK/WHITE/RED)	12 STRANDED (GREEN)	55-36-32-01	55-36-32-02	187	.527
10-2 STRANDED (BLACK/WHITE)	10 STRANDED (GREEN)		55-39-67-02	213	.566
10-4 STRANDED (BLACK/WHITE/RED/BLUE)	10 STRANDED (GREEN)		56-10-24-02	307	.653
<b>SOLID CONDUCTOR COLORS 277/480V</b>					
12-2 SOLID (BROWN/GRAY)	12 SOLID (GREEN)	55-17-74-01		142	.475
12-2 SOLID (ORANGE/GRAY)	12 SOLID (GREEN)	55-32-42-02	55-32-42-03	142	.475
12-3 SOLID (BROWN/YELLOW/GRAY)	12 SOLID (GREEN)	55-32-51-02	55-32-51-03	172	.513
12-4 SOLID (BROWN/ORANGE/YELLOW/GRAY)	12 SOLID (GREEN)	55-32-44-02	55-32-44-03	201	.547
10-2 SOLID (ORANGE/GRAY)	10 SOLID (GREEN)	55-17-83-01	55-17-83-02	197	.550
10-2 SOLID (YELLOW/GRAY)	10 SOLID (GREEN)	55-17-82-01	55-17-82-02	197	.550
10-2 SOLID (BROWN/GRAY)	10 SOLID (GREEN)	55-32-50-02	55-32-50-03	197	.550
10-3 SOLID (BROWN/ORANGE/GRAY)	10 SOLID (GREEN)	55-32-52-02	55-32-52-01	240	.588
10-3 SOLID (BROWN/YELLOW/GRAY)	10 SOLID (GREEN)	55-17-87-01	55-17-87-02	240	.588
10-4 SOLID (BROWN/ORANGE/YELLOW/GRAY)	10 SOLID (GREEN)	55-32-45-02	55-32-45-01	284	.631
For allowable ampacities, refer to NEC 310.15. Also available with stranded conductors.					

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### FEATURES

- Reduces installation costs up to 50% over pipe and wire.
- UL Classified 1, 2, and 3 hour Through Penetration Firestop Systems: W-J-3037, W-L-3110, W-L-3113, W-L-3117, W-L-3120, W-L-3121, W-L-3160, C-AJ-3115, C-AJ-3140, C-AJ-3142, C-AJ-3145, C-AJ-3173, C-AJ-3202, C-AJ-4065, C-AJ-4066, F-C-3038.
- Cable reverse wound on reel for ease of pulling and installation. When pulling from coils, pull from inside to ensure ease of installation.
- Anti-short bushings are not required for use with MC cable per the NEC and UL
- Available in stranded conductors.

