

Copper Riser MC™ Cable

Type MC Cu Feeder THHN/THWN-2 Conductors



1/0 AWG through 750 kcmil Copper THHN/THWN-2 Insulated Singles. Bare Copper Grounding Conductor. UL Listed. 600 Volts. Binder Jacket for Continuous Conductor Support. Lightweight Aluminum Interlocked Armor.

APPLICATIONS

Suitable for use as follows:

- Riser Cable, vertical applications
- Branch, feeder and service power distribution in commercial, industrial, institutional, and multi-residential buildings.
- Power, lighting, control, and signal circuits.
- Fished or embedded in plaster.
- Concealed or exposed installations.
- 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).

STANDARDS & REFERENCES

Southwire Copper Riser MC™ Cable meets or exceeds the requirements of:

- UL 83
- UL 1569
- UL 1685
- ICEA S-95-658 (NEMA WC70)
- Federal Specification A-A59544 (formerly J-C-30B)
- FT4/IEEE 1202 (70,000 Btu/hr)
- NFPA 70 (National Electrical Code), Article 330
- Listed for use in UL 1, 2, and 3 Hour Through-Penetration Firestop Systems
- REACH/RoHS-2 (Chemical Limit) Compliant

CONSTRUCTION

Southwire Copper Riser MC™ is constructed with Type THHN/THWN-2 conductors and a bare equipment grounding conductor. A binder tape is wrapped over the conductors and an integral polymeric binder jacket is applied under armor for continuous conductor support. Aluminum interlocking armor is applied snugly over the assembly. An optional overall PVC Jacket can be applied over the armor.

FEATURES

- Ideal for use in vertical high rise applications
- Available with THHN or XHHW conductors
- Available in custom constructions and lengths
- Polymeric binder jacket over the conductors provides continuous conductor support
- Available with Southwire pulling heads and on stacked reels.
- Compatible with any fittings and clamps rated for use with standard Type MC.



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Southwire®

Riser MC Cable

CONDUCTOR SIZE AND COLORS	GROUNDING SIZE AND COLOR	STOCK NUMBER	WEIGHT (LBS/1000')	OVERALL DIAMETER (INCHES)
1-3C CU THHN (BLACK/RED/WHITE)	1 COPPER (BARE)	58-77-07-99	1653	1.693
1-4 CU THHN (BLACK/RED/BLUE/WHITE)	3 COPPER (BARE)	58-77-05-99	1902	1.818
3/0-3 CU THHN (BLACK/RED/WHITE)	3/0 COPPER (BARE)	58-77-06-99	2836	1.939
3/0-4 CU THHN (BLACK/RED/BLUE/WHITE)	2 COPPER (GREEN)	64-36-45-99	3186	2.089
4/0-4 CU THHN (BLACK/RED/BLUE/WHITE)	4/0 COPPER (BARE)	58-77-10-99	4262	2.318
250-3 CU THHN (BLACK/RED/WHITE)	4 COPPER (BARE)	64-35-66-99	3329	2.067
400-4 CU THHN (BROWN/ORANGE/YELLOW/GRAY)	4/0 COPPER (GREEN)	59-80-48-99	7028	2.853
600-4 CU THHN (BLACK/RED/BLUE/WHITE)	2 COPPER (BARE)	58-67-33-99	9192	3.04
600-4 CU THHN (BLACK/RED/BLUE/WHITE)	3/0 COPPER (GREEN)	64-36-48-99	9567	3.04
750-3 CU THHN (BROWN/ORANGE/YELLOW)	1/0 COPPER (BARE)	59-77-79-99	8739	3.0
* Available with oversize grounding conductors and other constructions upon request. ** For allowable ampacities, refer to NEC 310.15				

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NEC TABLE 310.15(B)(16)- ALLOWABLE AMPACITY FOR 600V CONDUCTORS

SIZE AWG OR KCMIL	TEMPERATURE RATING OF CONDUCTOR		
	60°C (140°F)	75°C (167°F)	90°C (194°F)
	Types: TW, UF	Types: RHW, THHW, THW, THWN, XHHW, USE, ZW	Types: TBS, SA, SIS, RHH, RHW-2, THHN, THHW, THW-2, THWN- 2, USE-2, XHH, XHHW, XHHW-2, ZW-2
COPPER			
18	-	-	14
16	-	-	18
14	15	20	25
12	20	25	30
10	30	35	40
8	40	50	55
6	55	65	75
4	70	85	95
3	85	100	115
2	95	115	130
1	110	130	145
1/0	125	150	170
2/0	145	175	195
3/0	165	200	225
4/0	195	230	260
250	215	255	290
300	240	285	320
350	260	310	350
400	280	335	380
500	320	380	430
600	350	420	475
700	385	460	520
750	400	475	535
800	410	490	555
900	435	520	585
1000	455	545	615
1250	495	590	665
1500	525	625	705
1750	545	650	735
2000	555	665	750
Per NEC 310.15(B)(5), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor.			

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