



**METAL CLAD
& CONDUIT**



SOUTHWIRE'S MC^{AP}®

Southwire's patented innovation will save contractors up to 30 percent in installation time and costs. This UL-listed and NEC compliant product replaces conventional MC cable in a broad range of applications because it eliminates the need to make-up a ground in every box, in every outlet, every time. With its superior bending and pulling performance, MC^{AP}® assures a professional looking installation in fewer steps, with less labor and in less time. It's another Southwire innovation to help gain a competitive edge on every job.

MC^{AP}®, the next generation in metal clad cable.



 Southwire[®] **AP**[®]
MC

Armorlite® AC

ALUMINUM ARMORED CABLE



- **AC:** Aluminum Cable
- 600 Volts
- For Dry Locations

HOW IT'S USED

- For certain applications:
 - For branch, feeder, power, lighting, control, signal circuits and service power distribution in commercial, industrial, institutional and multi-residential buildings
 - Fished or embedded in plaster
 - For cable trays and approved raceways
- For certain locations:
 - Environmental air-handling spaces, per NEC 300.22(C)
 - Under raised floors for information technology equipment conductors and cables, per NEC 645.5(D) and 645.5(D)(2)
 - For concealed or exposed installations

HOW IT'S MADE

- Conductors: Type THHN/THWN, soft-drawn copper, wrapped with a moisture-resistant, flame-retardant paper covering and then aluminum armor is applied over the conductors
- A 16 AWG aluminum bond wire is placed inside the armor and runs longitudinally

HOW IT'S CERTIFIED

- Southwire's Armorlite® Type AC meets or exceeds the requirements of UL Standard 4 for Armored Cable, UL Standard 83, Federal Specification A-A59544 (formerly J-C-30B) and the National Electrical Code. Southwire's Armorlite® Type AC is listed for use in UL 1, 2 and 3 Hour Through-Penetration Firestop Systems.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

CONDUCTOR SIZE (AWG)	CONDUCTOR TYPE	ALUMINUM BONDING WIRE SIZE (AWG)	ALUMINUM INTERLOCKED ARMOR		AMPACITIES* (AMPS)		
			OUTSIDE DIAMETER (INCHES)	WEIGHT (LBS./1000 FT.)	60°C	75°C	90°C
14/2	SOLID	16 SOLID	.464	86	15	15	15
14/3	SOLID	16 SOLID	.484	105	15	15	15
14/4	SOLID	16 SOLID	.517	126	15	15	15
12/2	SOLID	16 SOLID	.498	107	20	20	20
12/3	SOLID	16 SOLID	.521	134	20	20	20
12/4	SOLID	16 SOLID	.557	163	20	20	20
10/2	SOLID	16 SOLID	.560	142	30	30	30
10/3	SOLID	16 SOLID	.588	184	30	30	30
10/4	SOLID	16 SOLID	.632	228	30	30	30
8/2	STRANDED	16 SOLID	.686	211	40	50	55
8/3	STRANDED	16 SOLID	.749	311	40	50	55
8/4	STRANDED	16 SOLID	.810	387	40	50	55
6/2	STRANDED	16 SOLID	.783	318	55	65	75
6/3	STRANDED	16 SOLID	.827	424	55	65	75
6/4	STRANDED	16 SOLID	.896	535	55	65	75
4/3	STRANDED	16 SOLID	1.095	625	70	85	95
4/4	STRANDED	16 SOLID	1.150	797	70	85	95
3/3	STRANDED	16 SOLID	1.175	746	85	100	110
3/4	STRANDED	16 SOLID	1.244	1003	85	100	110
2/3	STRANDED	16 SOLID	1.190	898	95	115	130
2/4	STRANDED	16 SOLID	1.310	1155	95	115	130

PACKAGING

	14/2	14/3	14/4	12/2	12/3	12/4	10/2	10/3	10/4	8/2	8/3	8/4	6/2	6/3	6/4	4/3	4/4	3/3	3/4	2/3	2/4
250 FT COIL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1000 FT REEL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

COLOR CODING

# OF CONDUCTORS	STANDARD COLOR 120/208Y	SPECIAL COLOR 277/480Y
2	BLACK, WHITE ● ○	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
3	BLACK, WHITE, RED ● ○ ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
4	BLACK, WHITE, RED, BLUE ● ○ ● ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●

Grounding Conductor is Green.

*Ampacities are based on Table 310.16 of the NEC, 2005 Edition. *Allowable ampacities shown are for general use as specified by the National Electrical Code, 2005 Edition, Section 310.15. If the equipment is marked for use at higher temperatures, the conductor ampacity shall be limited to the following per NEC 110.14(C).

60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for size 14 through 1 AWG conductors.

75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than size 1 AWG.

90°C - For ampacity derating purposes.

Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor.

Armorlite® AC
ALUMINUM ARMORED CABLE

Duraclad® AC

STEEL ARMORED CABLE



- **AC:** Aluminum Cable
- 600 Volts
- For Dry Locations Only

HOW IT'S USED

- For certain applications:
 - For branch, feeder, power, lighting, control, signal circuits and service power distribution in commercial, industrial, institutional and multi-residential buildings
 - Fished or embedded in plaster
 - For cable trays and approved raceways
- For certain locations:
 - Environmental air-handling spaces, per NEC 300.22(C)
 - Under raised floors for information technology equipment conductors and cables, per NEC 645.5(D) and 645.5(D)(2)
 - For concealed or exposed installations

HOW IT'S MADE

- Conductors: Type ACTHH (THHN/THWN-singles), soft-drawn copper, wrapped with a moisture-resistant, flame-retardant paper covering and then aluminum armor is applied over the conductors
- A 16 AWG aluminum bond wire is placed inside the armor and runs longitudinally

HOW IT'S DEFINED

- An armor assembly (combination of the interlocked armor & bonding strip) that is recognized as an equipment grounding conductor per NEC 250.118(8)
- 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
- Anti-short/insulating bushings supplied with every reel or coil
- When pulling from coils, pull from inside to ensure proper installation - For easier installation and pulling, cable reverse

HOW IT'S CERTIFIED

- Southwire's Duraclad® Type AC Cable meets or exceeds the requirements of UL Standard 4 for Armored Cable, UL Standard 83, Federal Specification A-A59544 (formerly J-C-30B) and the National Electrical Code. Southwire's Duraclad® Type AC is listed for use in UL 1, 2 and 3 Hour Through-Penetration Firestop Systems.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

CONDUCTOR SIZE (AWG)	CONDUCTOR TYPE	ALUMINUM BONDING WIRE SIZE (AWG)	ALUMINUM INTERLOCKED ARMOR		AMPACITIES* (AMPS)		
			OUTSIDE DIAMETER (INCHES)	WEIGHT (LBS./1000 FT.)	60°C	75°C	90°C
14/2	SOLID	16 SOLID	.490	192	15	15	15
14/3	SOLID	16 SOLID	.520	219	15	15	15
14/4	SOLID	16 SOLID	.530	241	15	15	15
12/2	SOLID	16 SOLID	.520	217	20	20	20
12/3	SOLID	16 SOLID	.550	251	20	20	20
12/4	SOLID	16 SOLID	.575	290	20	20	20
10/2	SOLID	16 SOLID	.580	270	30	30	30
10/3	SOLID	16 SOLID	.615	314	30	30	30
10/4	SOLID	16 SOLID	.655	380	30	30	30
8/2	STRANDED	16 SOLID	.695	354	40	50	55
8/3	STRANDED	16 SOLID	.825	605	40	50	55
8/4	STRANDED	16 SOLID	.850	678	40	50	55
6/2	STRANDED	16 SOLID	.880	619	55	65	75
6/3	STRANDED	16 SOLID	.870	739	55	65	75
6/4	STRANDED	16 SOLID	.950	888	55	65	75
4/3	STRANDED	16 SOLID	1.160	976	70	85	95
4/4	STRANDED	16 SOLID	1.140	1231	70	85	95
2/3	STRANDED	16 SOLID	1.310	1170	95	115	130
2/4	STRANDED	16 SOLID	1.632	1555	95	115	130

COLOR CODING

# OF CONDUCTORS	STANDARD COLOR 120/208Y	SPECIAL COLOR 277/480Y
2	BLACK, WHITE ● ○	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
3	BLACK, WHITE, RED ● ○ ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
4	BLACK, WHITE, RED, BLUE ● ○ ● ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●

Grounding Conductor is Green.

PACKAGING

	14/2	14/3	14/4	12/2	12/3	12/4	10/2	10/3	10/4	8/2	8/3	8/4	6/2	6/3	6/4	4/3	4/4	3/3	3/4	2/3	2/4
250 FT COIL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1000 FT REEL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Note: Ampacities are based on Table 310.16 of the NEC, 2005 Edition.

*Allowable ampacities shown are for general use as specified by the National Electrical Code, 2005 Edition, Section 310.15.

If the equipment is marked for use at higher temperatures, the conductor ampacity shall be limited to the following per NEC 110.14(C).

60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for size 14 through 1 AWG conductors.

75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than size 1 AWG.

90°C - For ampacity derating purposes.

Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor.

Duraclad® AC
STEEL ARMORED CABLE

Duraclad® AC HCF

STEEL ARMORED CABLE



- **AC:** Aluminum Cable
- **HCF:** Hospital Care Facility
- 600 Volts
- For Dry Locations

HOW IT'S USED

- For certain applications:
 - For branch, feeder, power, lighting, control, signal circuits and service power distribution in commercial, industrial, institutional and multi-residential buildings
 - For branch-circuit wiring, electrical systems in patient care areas of hospitals, nursing homes, dental offices, outpatient facilities and other medical or health related facilities
 - Fished or embedded in plaster
 - For cable trays and approved raceways
- For certain locations:
 - For Dry Locations only
 - Environmental air-handling spaces, per NEC 300.22(C)
 - Under raised floors for information technology equipment conductors and cables, per NEC 645.5(D) and 645.5(D)(2)
 - For concealed or exposed installations
 - For hazardous anesthetizing areas and essential electrical system circuits are prohibited, except as permitted, per 2005 NEC 517.30(C)(3)(3)

HOW IT'S MADE

- Conductors: Type ACTHH (THHN/THWN-singles), soft-drawn copper, wrapped with a moisture-resistant, flame-retardant paper covering, then lightweight, steel interlocking armor is applied over the conductors and has a green insulated copper grounding conductor
- A 16 AWG aluminum bond wire is placed inside the armor

HOW IT'S DEFINED

- An armor assembly (combination of the interlocked armor & bonding strip) that is recognized as an equipment grounding conductor per 2005 NEC Articles 250.118(8) and 517.30(A)
- An insulated equipment grounding conductor per NEC 517.13(B) and Table 250.122
- 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
- Anti-short/insulating bushings supplied with every reel or coil
- When pulling from coils, pull from inside to ensure proper installation. For easier installation and pulling, cable reverse wound on reel.

HOW IT'S CERTIFIED

- Southwire's Duraclad® Type AC HCF meets or exceeds the requirements of UL Standard 4 for Armored Cable, UL Standard 83, Federal Specification A-A59544 (formerly J-C-30B) and the National Electrical Code. Southwire's Duraclad® Type AC HCF is listed for use in UL 1, 2 and 3 Hour Through-Penetration Firestop Systems.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

PHASE CONDUCTOR SIZE (AWG)	CONDUCTOR TYPE	ALUMINUM BONDING WIRE SIZE (AWG)	STEEL INTERLOCKED ARMOR		AMPACITIES* (AMPS)		
			OUTSIDE DIAMETER (INCHES)	WEIGHT (LBS./1000 FT.)	60°C	75°C	90°C
14/3	SOLID	16 SOLID	.520	224	15	15	15
14/3	SOLID	16 SOLID	.530	241	15	15	15
14/4	SOLID	16 SOLID	.570	294	15	15	15
12/2	SOLID	16 SOLID	.550	251	20	20	20
12/3	SOLID	16 SOLID	.575	291	20	20	20
12/4	SOLID	16 SOLID	.640	335	20	20	20
10/2	SOLID	16 SOLID	.615	314	30	30	30
10/3	SOLID	16 SOLID	.655	380	30	30	30
10/4	SOLID	16 SOLID	.725	449	30	30	30

COLOR CODING

# OF CONDUCTORS	STANDARD COLOR 120/208Y	SPECIAL COLOR 277/480Y
2	BLACK, WHITE ● ○	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
3	BLACK, WHITE, RED ● ○ ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
4	BLACK, WHITE, RED, BLUE ● ○ ● ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●

Grounding Conductor is Green.

PACKAGING

	14/2	14/3	14/4	12/2	12/3	12/4	10/2	10/3	10/4
250 FT COIL	●	●	●	●	●	●	●	●	●
1000 FT REEL	●	●	●	●	●	●	●	●	●

Note: Ampacities are based on Table 310.16 of the NEC, 2005 Edition.

+Allowable ampacities shown are for general use as specified by the National Electrical Code, 2005 Edition, Section 310.15.

If the equipment is marked for use at higher temperatures, the conductor ampacity shall be limited to the following per NEC 110.14(C).

60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for size 14 through 1 AWG conductors.

75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than size 1 AWG.

90°C - For ampacity derating purposes.

Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor.

Duraclad® AC HCF
STEEL ARMORED CABLE

Armorlite® MC

ALUMINUM ARMORED CABLE



- **MC: Metal Clad**
- 600 Volts
- For Wet and Dry Locations
- 90°C Heat Capacity

HOW IT'S USED

- For certain applications:
 - For branch, feeder, power, lighting, control, signal circuits and service power distribution in commercial, industrial, institutional and multi-residential buildings
 - For aerial cable on a messenger
 - For cable trays and approved raceways
- For certain locations:
 - Environmental air-handling spaces, per NEC 300.22(C)
 - Under raised floors for information technology equipment conductors and cables, per NEC 645.5(D) and 645.5(D)(2)
 - For places of assembly and theaters, per NEC Articles 518 and 520
 - For concealed or exposed installations
 - Hazardous locations: Class 1 Div. 2, Class 2 Div. 2, and Class 3 Div. 1

HOW IT'S MADE

- Conductors: Type THHN/THWN, soft-drawn copper that is available in sizes 14 AWG through 750 kcmil and is rated 90°C dry/75°C wet
- Has a green insulated grounding conductor until size is 1/0 AWG and larger, then it has a bare grounding conductor
- Cables are combined using binder tape and an aluminum interlocking armor is placed over the cables

HOW IT'S CERTIFIED

- Southwire's Armorlite® Type MC meets or exceeds the requirements of UL Standard 83, UL Standard 1063, UL Standard 1569 for Type MC, Federal Specification A-A59544 (formerly J-C-30B), IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test and the National Electrical Code. Southwire's Armorlite® Type MC is listed for use in UL 1, 2 and 3 Hour Through Penetration Firestop Systems.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

CONDUCTOR SIZE* (AWG)	CONDUCTOR TYPE	GROUNDING CONDUCTOR SIZE (AWG) AND STRANDING	OVERALL DIAMETER (INCHES)	WEIGHT (lbs./1000 ft.)	AMPACITIES ⁺		
					60°C	75°C	90°C
14/2	SOLID	14 SOLID	.439	77	15	15	15
14/3	SOLID	14 SOLID	.464	94	15	15	15
14/4	SOLID	14 SOLID	.494	112	15	15	15
12/2	19	12-19	.494	110	20	20	20
12/3	SOLID	12 SOLID	.475	104	20	20	20
12/3	19	12-19	.527	137	20	20	20
12/3	SOLID	12 SOLID	.505	129	20	20	20
12/4	19	12-19	.564	164	20	20	20
12/4	SOLID	12 SOLID	.539	155	20	20	20
10/2	19	10-19	.566	159	30	30	30
10/2	SOLID	10 SOLID	.542	150	30	30	30
10/3	19	10-19	.607	201	30	30	30
10/3	SOLID	10 SOLID	.58	189	30	30	30
10/4	19	10-19	.653	243	30	30	30
10/4	SOLID	10 SOLID	.623	229	30	30	30
8/2	19	10-19	.678	234	40	50	55
8/3	19	10-19	.678	298	40	50	55
8/4	19	10-19	.732	370	40	50	55

PACKAGING

	14/2	14/3	14/4	12/2	12/3	12/4	10/2	10/3	10/4	8/2	8/3
100 FT COIL	●				●						
125 FT COIL							●				
200 FT COIL										●	●
250 FT COIL	●	●	●	●	●	●	●	●	●		
500 FT REEL								●		●	●
750 FT REEL											
1000 FT REEL	●	●	●	●	●						

COLOR CODING

# OF CONDUCTORS	STANDARD COLORS 120/208Y	OPTIONAL COLORS 277/480Y
2	BLACK, WHITE ● ○	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
3	BLACK, WHITE, RED ● ○ ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
4	BLACK, WHITE, RED, BLUE ● ○ ● ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●

Grounding Conductor is Green.

⁺Ampacities are based on Table 310.16 of the NEC, 2005 Edition. ⁺Allowable ampacities shown are for general use as specified by the National Electrical Code, 2005 Edition, Section 310.15. If the equipment is marked for use at higher temperatures, the conductor ampacity shall be limited to the following per NEC 110.14(C). 60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for size 14 through 1 AWG conductors. 75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than size 1 AWG. 90°C - For ampacity derating purposes. Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor. * Available in sizes up to 750 kcmil.

Armorlite[®] MC
ALUMINUM ARMORED CABLE

Duraclad® MC

STEEL ARMORED CABLE



- **MC: Metal Clad**
- 600 Volts
- For Wet and Dry Locations
- 90°C Heat Capacity

HOW IT'S USED

- For certain applications:
 - For branch, feeder, power, lighting, control, signal circuits and service power distribution in commercial, industrial, institutional and multi-residential buildings
 - For aerial cable on a messenger
 - For cable trays and approved raceways
- For certain locations:
 - For concealed or exposed installations
 - Environmental air-handling spaces, per NEC 300.22(C)
 - Under raised floors for information technology equipment conductors and cables, per NEC 645.5(D) and 645.5(D)(2)
 - For places of assembly and theaters, per NEC Articles 518 and 520
 - For concealed or exposed installations
 - Hazardous locations: Class 1 Div. 2, Class 2 Div. 2, and Class 3 Div. 1

HOW IT'S MADE

- Conductors: Type THHN/THWN (insulated singles), soft-drawn copper that is available in sizes 14 AWG through 750 kcmil and is rated 90°C dry/75°C wet
- Has a green insulated grounding conductor until size is 1/0 AWG and larger, then it has a bare grounding conductor
- Cables are combined using binder tape and an aluminum interlocking armor is placed over the cables

HOW IT'S CERTIFIED

- Southwire's Duraclad® Type MC meets or exceeds the requirements of UL Standard 83, UL Standard 1063, UL Standard 1569 for Type MC, Federal Specification A-A59544 (formerly J-C-30B), IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test and the National Electrical Code. Southwire's Duraclad® Type MC is listed for use in UL 1, 2 and 3 Hour Through-Penetration Firestop Systems.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

CONDUCTOR SIZE + (AWG)	CONDUCTOR TYPE	GROUNDING CONDUCTOR SIZE (AWG)	OVERALL DIAMETER (INCHES)	WEIGHT (LBS./1000 FT.)	AMPACITIES ⁺		
					60°C	75°C	90°C
14/2	SOLID	14	0.447	115	15	15	15
14/3	SOLID	14	0.472	134	15	15	15
14/4	SOLID	14	0.502	155	15	15	15
12/2	SOLID	12	0.475	142	20	20	20
12/3	SOLID	12	0.513	172	20	20	20
12/4	SOLID	12	0.547	201	20	20	20
10/2	SOLID	10	0.550	197	30	30	30
10/3	SOLID	10	0.588	240	30	30	30
10/4	SOLID	10	0.631	284	30	30	30

PACKAGING

	14/2	14/3	14/4	12/2	12/3	12/4	10/2	10/3	10/4
250 FT COIL	●	●		●	●	●	●	●	●
1000 FT REEL	●	●	●	●	●	●	●	●	●

COLOR CODING

# OF CONDUCTORS	STANDARD COLORS 120/208Y	OPTIONAL COLORS 277/480Y
2	BLACK, WHITE ● ○	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
3	BLACK, WHITE, RED ● ○ ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
4	BLACK, WHITE, RED, BLUE ● ○ ● ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●

Grounding Conductor is Green.

⁺Ampacities are based on Table 310.16 of the NEC, 2005 Edition. [†]Allowable ampacities shown are for general use as specified by the National Electrical Code, 2005 Edition, Section 310.15. If the equipment is marked for use at higher temperatures, the conductor ampacity shall be limited to the following per NEC 110.14(C). 60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for size 14 through 1 AWG conductors. 75°C - When terminated to equipment for circuits rated over 100 amperes or marked for use at higher temperatures, the conductor ampacity shall be limited to the following per NEC 110.14(C). 60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for size 14 through 1 AWG conductors. 75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than size 1 AWG. 90°C - For ampacity derating purposes. Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor. *Circuit sizes 12 AWG and 10 AWG also available as stranded conductors. Conductors larger than size 1 AWG. 90°C - For ampacity derating purposes. Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor. + Available in sizes up to 750 kcmil.

Duraclad[®] MC
STEEL ARMORED CABLE

Armorlite® Feeder MC

ALUMINUM ARMORED CABLE



- **MC:** Metal Clad
- 600 Volts
- Copper Power Feeder Conductors

HOW IT'S USED

- For certain applications:
 - For branch, feeder, power, lighting, control, signal circuits and service power distribution in commercial, industrial, institutional and multi-residential buildings
 - Fished or embedded in plaster
 - For aerial cable on a messenger
 - For cable trays and approved raceways
- For certain locations:
 - Environmental air-handling spaces, per NEC 300.22(C)
 - Under raised floors for information technology equipment conductors and cables, per NEC 645.5(D) and 645.5(D)(2)
 - For places of assembly and theaters, per NEC Articles 518 and 520
 - For concealed or exposed installations
 - Hazardous locations: Class 1 Div. 2, Class 2 Div. 2 and Class 3 Div. 1

HOW IT'S MADE

- **Conductors:** Type THHN/THWN, soft-drawn copper, has a green insulated grounding conductor and is rated 90°C dry/75°C wet
- Cables are combined using binder tape and an aluminum interlocking armor is placed over the cables
- Black, flame-retardant PVC jacket is applied over the armor and is available in blue or grey, colors requested subject to economic order quantities

HOW IT'S DEFINED

- Reduces installation costs up to 50% over pipe and wire
- Lightweight aluminum armor as much as 45% lighter than steel MC Cable
- 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

HOW IT'S CERTIFIED

- Southwire's Armorlite® Feeder Type MC Cable (PVC Jacketed) meets or exceeds the requirements of UL Standard 83, UL Standard 1063, UL Standard 1569 for Type MC, Federal Specification A-A59544 (formerly J-C-30B), IEEE 1202 (70,000 BTU/hr) Vertical Cable Tray Flame Test and the National Electrical Code. Southwire's Armorlite® Feeder Type MC (PVC Jacketed) is listed for use in UL Standard 1479 1, 2 and 3 Hour Through-Penetration Firestop Systems.

DID YOU KNOW

Southwire's Feeder MC was used in the construction of Las Vegas' very own Wynn Resort and Casino.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

CONDUCTOR SIZE /# OF COND. (AWG/kcmil)	GROUNDING CONDUCTOR (AWG)†	APPROXIMATE DIAMETER OVER ARMOR (INCHES)	APPROXIMATE DIAMETER OVER JACKET (INCHES)	WEIGHT (LBS./1000 FT.)	AMPACITY* (AMPS)	
					75°C	90°C
1/3	6 Green	1.203	1.303	1252	130	150
1/4	6 Green	1.351	4.451	1585	130	150
1/0-3	6 Bare	1.245	1.342	1463	150	170
1/0-4	6 Bare	1.362	1.462	1863	150	170
2/0-3	6 Bare	1.339	1.439	1758	175	195
2/0-4	6 Bare	1.491	1.591	2332	175	195
3/0-3	4 Bare	1.449	1.549	2175	200	225
3/0-4	4 Bare	1.614	1.734	2894	200	225
4/0-3	4 Bare	1.570	1.690	2662	230	260
4/0-4	4 Bare	1.749	1.869	3507	230	260
250-3	4 Bare	1.737	1.857	3178	255	290
250-4	4 Bare	1.913	2.033	4086	255	290
350-3	3 Bare	1.960	2.080	4252	310	350
350-4	3 Bare	2.162	2.282	5493	310	350
500-3	2 Bare	2.238	2.358	5829	380	430
500-4	2 Bare	2.477	2.627	7642	380	430
600-3	2 Bare	2.469	2.619	7078	420	475
600-4	2 Bare	2.714	2.882	9281	420	475
750-3	1 Bare	2.674	2.824	8537	475	535
750-4	1 Bare	2.960	3.110	11,111	475	535

COLOR CODING*

# OF CONDUCTORS	COLOR SEQUENCE 120/208Y
3	1-BLACK, 2-RED, WHITE ● ● ○
4	1-BLACK, 2-RED, 3-BLUE, WHITE ● ● ● ○

Grounding Conductor is Bare.

Note: Ampacities are based on Table 310.16 of the NEC, 2005 Edition.

+Allowable ampacities shown are for general use as specified by the National Electrical Code, 2005 Edition, Section 310.15.

If the equipment is marked for use at higher temperatures, the conductor ampacity shall be limited to the following per NEC 110.14(C).

75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than size 1 AWG.

90°C - For ampacity derating purposes.

Per NEC 310.15(B)(2)(a), the ampacity of 4/C cables shall be reduced by a factor of 0.80 when the neutral is considered a current-carrying conductor.

Available with oversized grounding conductor when used for parallel feeds on special orders.

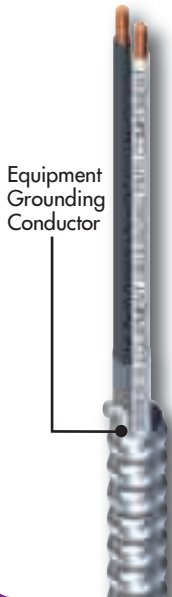
*Color sequence for 277V/480V systems and other special colors are available subject to economic order quantity.

Note: Phase conductors are black with printed ID.

Armorlite® Feeder MC
ALUMINUM ARMORED CABLE

MCAP[®]

ALL-PURPOSE METAL CLAD



- **MCAP: Metal-Clad**
- **All-Purpose**
- **600 Volts**

HOW IT'S USED

- For certain applications:
 - For branch, feeder, power, lighting, control, signal circuits and service power distribution in commercial, industrial, institutional and multi-residential buildings
 - Fished or embedded in plaster
 - For cable trays and approved raceways
- For certain locations:
 - Environmental air-handling spaces, per NEC 300.22(C)
 - Under raised floors for information technology equipment conductors and cables, per NEC 645.5(D) and 645.5(D)(2)
 - For places of assembly and theaters, per NEC Articles 518 and 520
 - For concealed or exposed installations
 - For areas where standard AC or MC cable is permitted

HOW IT'S MADE

- Conductors: Type THHN/THWN, solid soft-drawn copper that is available in sizes 14 AWG – 10 AWG, has a bare aluminum, grounding conductor and is rated 90°C dry
- Cables are combined using binder tape and a lightweight aluminum interlocking armor is placed over the cables
- The bare aluminum, grounding conductor is located outside of the binding tape and has the same lay as the insulated conductors.

HOW IT'S DEFINED

- An armor assembly that is an equipment grounding conductor per 2005 NEC 250.118(10)(a)
- Installation instructions included with every reel and coil.
- Simplified product application and installation compared to other armored products
- Faster conductor make-up, wiring device installation and trim-out when grounding/bonding conductor is terminated per installation instructions
- 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
- When pulling from coils, pull from inside to ensure ease of installation. For easier installation and pulling, cable is reverse wound on reel.

HOW IT'S CERTIFIED

- Southwire's Armorlite Type MCAP[™] meets or exceeds the applicable requirements of UL 1569 Standard for Metal-Clad Cables, NFPA 70 National Electrical Code, UL 83 Standard, UL 1063 Standard, Federal Specification A-A59544 (formerly J-C-30B) and IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test. Southwire's Armorlite Type MCAP[™] is listed for use in UL 1, 2 and 3 Hour Through-Penetration Firestop Systems.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

CONDUCTOR SIZE (AWG) / # OF PHASE CONDUCTORS	CONDUCTOR TYPE	GROUNDING/ BONDING CONDUCTOR	OVERALL DIAMETER (INCHES)	WEIGHT (LBS./1000FT.)	AMPACITY (AMPS)		
					60°C	75°C	90°C
14/2	SOLID	12 SOLID AL	0.385	63	15	15	15
14/3	SOLID	12 SOLID AL	0.410	78	15	15	15
14/4	SOLID	12 SOLID AL	0.435	96	15	15	15
12/2	SOLID	10 SOLID AL	0.430	88	20	20	20
12/3	SOLID	10 SOLID AL	0.445	110	20	20	20
12/4	SOLID	10 SOLID AL	0.480	134	20	20	20
10/2	SOLID	8 SOLID AL	0.485	123	30	30	30
10/3	SOLID	8 SOLID AL	0.520	162	30	30	30

COLOR CODING

# OF CONDUCTORS	STANDARD COLORS 120/208Y	OPTIONAL COLORS 277/480Y
2	BLACK, WHITE ● ○	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
3	BLACK, WHITE, RED ● ○ ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
4	BLACK, WHITE, RED, BLUE ● ○ ● ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●

Grounding Conductor is Green.

PACKAGING

	14/2	14/3	14/4	12/2	12/3	12/4	10/2	10/3
250 FT. COIL	●	●	●	●	●	●	●	●
1000 FT. REEL	●	●	●	●	●	●	●	●

MCAP[®]
ALL-PURPOSE METAL CLAD

MC^{AP}® HCF

ALL-PURPOSE METAL CLAD



- **MC^{AP}:** Metal Clad All Purpose
- **HCF:** Hospital Care Facility
- 600 Volts

HOW IT'S USED

- For certain applications:
 - For branch-circuit wiring, electrical systems in patient care areas of hospitals, nursing homes, dental offices, outpatient facilities and other medical or health related facilities
 - Fished or embedded in plaster
 - For cable trays and approved raceways
 - Applications require redundant, dedicated or isolated grounding paths
- For certain locations:
 - Environmental air-handling spaces, per NEC 300.22(C)
 - Under raised floors for information technology equipment conductors and cables, per NEC 645.5(D) and 645.5(D)(2)
 - For places of assembly and theaters, per NEC Articles 518 and 520
 - Prohibited in hazardous anesthetizing areas and electrical system circuits, except where permitted, per 2005 NEC 517.30(C)(3)(3)

HOW IT'S MADE

- **Conductors:** Type THHN/THWN, solid soft-drawn copper that is available in sizes 12 AWG — 10 AWG and is rated 90°C dry
- It has a green, insulated, copper ground wire and a bare aluminum, grounding conductor
- Insulated cables are combined using binder tape and a green lightweight aluminum interlocking armor is placed over the cables
- The bare aluminum, grounding conductor is located outside of the binding tape and has the same lay as the insulated conductors

HOW IT'S DEFINED

- An armor assembly that is an equipment grounding conductor per 2005 NEC 250.118(10)(A)
- Installation instructions included with every reel and coil
- 350% better redundant ground path over traditional Type AC HCF cable
- Reduces installation costs up to 50% over pipe and wire
- Increased labor savings compared to Type AC HCF
- 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
- When pulling from coils, pull from inside to ensure ease of installation. For easier installation and pulling cable reverse wound on reel.

HOW IT'S CERTIFIED

- Southwire's Armorlite® HCF Type MC^{AP}™ meets or exceeds the requirements of UL 1569 Standard for Metal-Clad Cables, NFPA 70 National Electrical Code, UL 83 Standard, UL 1063 Standard, Federal Specification A-A59544 (formerly-C-30B) and IEEE 1202 (70,000 Btu/hr) Vertical Cable Tray Flame Test. Southwire's Armorlite® HCF Type MC^{AP}™ is listed for use in UL 1, 2 and 3 Hour Through-Penetration Firestop Systems.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

CONDUCTOR SIZE (AWG)/ #OF PHASE CONDUCTORS	CONDUCTOR TYPE	GROUNDING BONDING CONDUCTOR	GREEN THHN COPPER GROUND (AWG)	OVERALL DIAMETER (INCHES)	AMPACITIES (AMPS)		
					60°C	75°C	90°C
12/2	SOLID	10 SOLID AL	12	.445	20	20	20
12/3	SOLID	10 SOLID AL	12	.480	20	20	20
12/4	SOLID	10 SOLID AL	12	.515	20	20	20
10/2	SOLID	10 SOLID AL	10	.520	30	30	30
10/3	SOLID	10 SOLID AL	10	.565	30	30	30
10/4	SOLID	10 SOLID AL	10	.670	30	30	30

COLOR CODING

# OF CONDUCTORS	STANDARD COLOR 120/208Y		SPECIAL COLOR 277/480Y
2	BLACK, WHITE	● ○	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
3	BLACK, WHITE, RED	● ○ ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
4	BLACK, WHITE, RED, BLUE	● ○ ● ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●

Grounding Conductor is Green.

PACKAGING

	12/2	12/3	12/4	10/2	10/3	10/4
250 FT COIL	●	●	●	●	●	●
1000 FT REEL	●	●	●	●	●	●

MCAP[®] HCF
ALL-PURPOSE METAL CLAD

Data Flex[®]

FLEXIBLE METAL CONDUIT



HOW IT'S USED

- For concealed, exposed or approved raceways
- For use where listed products are not required

HOW IT'S MADE

- Spiral wound strip of corrosion-resistant, hot-dipped galvanized steel
- Steel has a heavy zinc coating

- **Data Flex:** Flexible Metal Conduit
- Crush/Corrosion Resistant
- Smooth Interior for Easy Pulling





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)
3/8	12	.585	4
1/2	19.5	.875	4
3/4	23.5	1.075	5
1	30	1.340	6
1-1/4	37	1.590	8
1-1/2	66	1.900	10
2	93	2.400	12
2-1/2	150	2.960	15
3	190	3.460	18
3-1/2	220	3.960	21
4	264	4.460	24

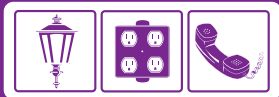
PACKAGING

	5/16	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
25 FT COIL							●	●	●	●	●	●
50 FT COIL					●	●						
100 FT COIL	●	●	●	●				●				
250 FT COIL		●				●						

Data Flex[®]
FLEXIBLE METAL CONDUIT

Alflex® RWA

FLEXIBLE METAL CONDUIT



- **RWA: Reduced Wall Aluminum**
- Highly Flexible
- 66% Lighter than Steel
- Cuts 80% Faster than Steel
- Corrosion and Crush Resistant
- Smooth Metal Interior for Easy Wiring

HOW IT'S USED

- For certain applications:
 - For power and lighting branch circuit conductors and cables such as: receptacles, equipment and office partitions, etc.
 - For voice, data, communications, video, CATV and optical fiber cables
 - For motor feeders, branch, control circuits and cables
 - For use with listed connectors for NEC type FMC (Flexible Metal Conduit)
 - Listed wire fixtures, per NEC 410.77(C)
 - Elevators and escalators, per NEC 620.21
 - Cranes and hoists, per NEC 610.11(C)
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 Volts)
 - Metal raceway, per NEC (ANSI/NFPA-70) Article 348
 - Fire alarm systems of power-limited or non-power-limited fire alarm circuits
 - As a grounding conductor for lengths up to 6 feet, per 2005 NEC 205.118(5)
 - Class 1, Class 2 and Class 3 Remote-control, signaling and power-limited circuit conductors and cables
 - UL 1, 2 & 3 Hour Through-Penetration Firestop Systems: C-AJ-1462, C-AJ-1463 and C-AJ-1464 as well as W-L-1308 and W-L-1309
- For certain locations:
 - For exposed or concealed locations, per NEC Article 348 and the applicable NEC provisions
 - Under raised floors for information technology, per NEC 645.5(D) and 645.5(D)(2)
 - For places of assembly and theaters, per NEC Articles 518 and 520
 - Hazardous locations: Class 1 Div. 2, for flexible conductors only, per 2005 NEC 501.10(B)(2) & 501.30(B)
- For certain conditions:
 - For environmental air-handling spaces, per NEC 300.22(C)

HOW IT'S MADE

- Lightweight, high strength aluminum alloy
- Metal strip, helically formed, making continuously interlocked flexible metal conduit

HOW IT'S CERTIFIED

- UL Listed per UL 1, Standard for Safety for Flexible Metal Conduit, ANSI/UL-1
- CSA Listed per CSA 22.2 No. 56 per Canadian Electrical Code C22.1 Section 12-1000 for 5/16" and 3/8" trade sizes only
- Meets federal specification WW-C-566c
- NEC Type Designation - Article 348, Type FMC (flexible metal conduit)





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	MINIMUM BENDING RADIUS (INCHES)
5/16	5.5	0.312/-	0.470 / 0.510	3.5
3/8	7	0.375 / 0.393	0.560 / 0.610	4
1/2	9	0.625 / 0.645	0.860 / 0.920	6
3/4	12.5	0.812 / 0.835	1.045 / 1.105	8
1	25	1.0000 / 1.040	1.300 / 1.380	10
1-1/4	32	1.250 / 1.300	1.550 / 1.630	12.5
1-1/2	46	1.500 / 1.575	1.850 / 1.950	15
2	70	2.000 / 2.080	2.350 / 2.450	20
2-1/2	92	2.500 / -	2.860 / 3.060	25
3	107	3.000 / -	3.360 / 3.560	30
3-1/2	125	3.500 / -	3.860 / 4.060	35
4	142	4.000 / -	4.360 / 4.560	40

PACKAGING

	5/16	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
25 FT COIL							●	●	●	●	●	●
50 FT COIL					●	●						
100 FT COIL	●	●	●	●				●				
250 FT COIL		●				●						

Alflex[®] RWA
FLEXIBLE METAL CONDUIT

Galflex® RWS

FLEXIBLE METAL CONDUIT

HOW IT'S USED

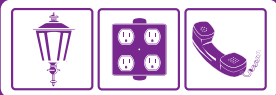
- For certain applications:
 - For power and lighting branch circuit conductors and cables such as: receptacles, equipment and office partitions, etc.
 - For voice, data, communications, video, CATV and optical fiber cables
 - For motor feeders, branch, control circuits and cables
 - For use with listed connectors for NEC type FMC (Flexible Metal Conduit)
 - Listed wire fixtures, per NEC 410.77(C)
 - Elevators and escalators, per NEC 620.21
 - Cranes and hoists, per NEC 610.11(C)
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 Volts)
 - Metal raceway, per NEC (ANSI/NFPA-70) Article 348
 - Fire alarm systems of power-limited or non-power-limited fire alarm circuits
 - As a grounding conductor for lengths up to 6 feet, per 2005 NEC 205.118(5)
 - Class 1, Class 2 and Class 3 Remote-control, signaling and power-limited circuit conductors and cables
 - UL 1, 2 & 3 Hour Through-Penetration Firestop Systems: C-AJ-1462, C-AJ-1463 and C-AJ-1464 as well as W-L-1308 and W-L-1309
- For certain locations:
 - For exposed or concealed locations, per NEC Article 348 and the applicable NEC provisions
 - Under raised floors for information technology, per NEC 645.5(D) and 645.5(D)(2)
 - For places of assembly and theaters, per NEC Articles 518 and 520
 - Hazardous locations: Class 1 Div. 2, for flexible conductors only, per 2005 NEC 501.10(B)(2) & 501.30(B)
- For certain conditions:
 - For environmental air-handling spaces, per NEC 300.22(C)

HOW IT'S MADE

- Galvanized, corrosion resistant, high strength steel alloy
- Metal strip, helically formed, making continuously interlocked flexible metal conduit
- Built in flexibility for simplified positioning
- Provides mechanical protection for conductors and cables
- For use with listed connectors intended for NEC Type FMC (Flexible Metal Conduit)

HOW IT'S CERTIFIED

- UL Listed per UL 1, Standard for Safety for Flexible Metal Conduit, ANSI/UL-1 for 5/16" through 3"
- CSA Listed for 5/16" and 3/8" sizes
- Meets federal specification WW-C-566c
- NEC Type Designation - Article 348, Type FMC (flexible metal conduit)



- **RWS: Reduced Wall Steel**
- Highly Flexible
- High Strength Steel Construction
- Hot-Dipped, Heavy Zinc Coating
- Corrosion and Crush Resistant
- Smooth Metal Interior for Easy Wiring





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	MINIMUM BENDING RADIUS (INCHES)
5/16	16	0.312 / -	0.470 / 0.510	3.5
3/8	18	0.375 / 0.393	0.560 / 0.610	4
1/2	27	0.625 / 0.645	0.860 / 0.920	4
3/4	34.5	0.812 / 0.835	1.045 / 1.105	5
1	57	1.000 / 1.040	1.300 / 1.380	6
1-1/4	68	1.250 / 1.300	1.550 / 1.630	8
1-1/2	78	1.500 / 1.575	1.850 / 1.950	10
2	133	2.000 / 2.080	2.350 / 2.450	12
2-1/2	165	2.500 / -	2.860 / 3.060	15
3	197	3.000 / -	3.360 / 3.560	18
3-1/2	231	3.500 / -	3.860 / 4.060	21
4	264	4.000 / -	4.360 / 4.560	24

PACKAGING

	5/16	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
25 FT COIL							●	●	●	●	●	●
50 FT COIL					●	●						
100 FT COIL	●	●	●	●				●	●	●	●	●
250 FT COIL		●				●						

Galflex[®] RWS
FLEXIBLE METAL CONDUIT

Slinky Flex[®]

EXTRA FLEXIBLE METAL CONDUIT



HOW IT'S USED

- For office partition furniture, voice, data, CATV, signal transmissions, and other OEM applications
- For concealed, exposed or approved raceways
- For applications where extra flexibility is needed

HOW IT'S MADE

- Spiral wound strip of corrosion-resistant, hot dipped galvanized steel
- Steel has a heavy zinc coating
- Superior crush resistant sheilding for floor, wall and ceiling cables

HOW IT'S CERTIFIED

- UL Component Recognized.

- **Slinky Flex:** Extra Flexible Metal Conduit
- Crush/Corrosion Resistant
- Smooth Interior for Easy Pulling





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. BEND RADIUS (INCHES)
5/16	12.5	0.312 / 0.337	0.447 / 0.472	1.5
3/8	14.5	0.375 / 0.400	0.515 / 0.540	1.75
7/16	17	0.437 / 0.462	0.585 / 0.610	2
1/2	19	0.500 / 0.525	0.640 / 0.665	4
9/16	21	0.563 / 0.588	0.703 / 0.728	4.5
3/4	27.5	0.750 / 0.775	0.890 / 0.915	5

1/2", 3/4" conduit minimum bend radius based on NEC Chapter 9.

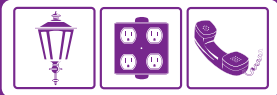
PACKAGING

	5/16	3/8	7/16	1/2	9/16	3/4
50 FT COIL	●	●		●		
100 FT COIL		●	●	●	●	●
250 FT COIL	●	●		●		
1000 FT COIL				●	●	

Slinky Flex[®]
EXTRA FLEXIBLE METAL CONDUIT

Alflex® SWA

FLEXIBLE METAL CONDUIT



- **SWA:** Standard Wall Aluminum
- Highly Flexible
- 66% Lighter than Steel
- Cuts 80% Faster than Steel
- Corrosion and Crush Resistant
- Smooth Metal Interior for Easy Wiring

HOW IT'S USED

- For certain applications:
 - For power and lighting branch circuit conductors and cables such as: receptacles, equipment and office partitions, etc.
 - For voice, data, communications, video, CATV and optical fiber cables
 - For motor feeders, branch, control circuits and cables
 - For use with listed connectors for NEC type FMC (Flexible Metal Conduit)
 - Listed wire fixtures, per NEC 410.77(C)
 - Elevators and escalators, per NEC 620.21
 - Cranes and hoists, per NEC 610.11(C)
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 Volts)
 - Metal raceway, per NEC (ANSI/NFPA-70) Article 348
 - Fire alarm systems of power-limited or non-power-limited fire alarm circuits
 - As a grounding conductor for lengths up to 6 feet, per 2005 NEC 205.118(5)
 - Class 1, Class 2 and Class 3 Remote-control, signaling and power-limited circuit conductors and cables
 - UL 1, 2 & 3 Hour Through-Penetration Firestop Systems: C-AJ-1462, C-AJ-1463 and C-AJ-1464 as well as W-L-1308 and W-L-1309
- For certain locations:
 - For exposed or concealed locations, per NEC Article 348 and the applicable NEC provisions
 - Under raised floors for information technology, per NEC 645.5(D) and 645.5(D)(2)
 - For places of assembly and theaters, per NEC Articles 518 and 520
 - Hazardous locations: Class 1 Div. 2, for flexible conductors only, per 2005 NEC 501.10(B)(2) & 501.30(B)
- For certain conditions:
 - For environmental air-handling spaces, per NEC 300.22(C)

HOW IT'S MADE

- Lightweight, high strength aluminum alloy
- Metal strip, helically formed, making continuously interlocked flexible metal conduit

HOW IT'S CERTIFIED

- UL Listed per UL 1, Standard for Safety for Flexible Metal Conduit, ANSI/UL-1
- CSA Listed per CSA 22.2 No. 56 per Canadian Electrical Code C22.1 Section 12-1000 for 5/16" and 3/8" trade sizes only
- Meets federal specification WW-C-566c
- NEC Type Designation - Article 348, Type FMC (flexible metal conduit)





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	MINIMUM BENDING RADIUS (INCHES)
5/16	5.5	0.312/-	0.470 / 0.510	3.5
3/8	7	0.375 / 0.393	0.560 / 0.610	4
1/2	15	0.625 / 0.645	0.860 / 0.920	4
3/4	20	0.812 / 0.835	1.045 / 1.105	5
1	40	1.000 / 1.040	1.300 / 1.380	6
1-1/4	49	1.250 / 1.300	1.550 / 1.630	8
1-1/2	56	1.500 / 1.575	1.850 / 1.950	10
2	70	2.000 / 2.080	2.350 / 2.450	12
2-1/2	92	2.500 / -	2.860 / 3.060	15
3	107	3.000 / -	3.360 / 3.560	18
3-1/2	125	3.500 / -	3.860 / 4.060	21
4	142	4.000 / -	4.360 / 4.560	24

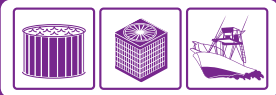
PACKAGING

	5/16	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
25 FT COIL							●	●	●	●	●	●
50 FT COIL					●	●						
100 FT COIL	●	●	●	●				●				
250 FT COIL		●				●						

Alflex[®] SWA
FLEXIBLE METAL CONDUIT

Titan™ CB

LIQUIDTIGHT FLEXIBLE METAL CONDUIT



- **CB: Computer Blue**
- Rated -30°C to 80°C
- Crush/Corrosion, Oil and Sunlight Resistant
- Accepts Standard Metallic Liquidtight Fittings
- Rated for Direct Burial
- Smooth Metal Interior for Easy Pulling

HOW IT'S USED

- For certain conditions:
 - For extreme oil and solvent environments
 - Where conditions of installation, operation or maintenance require flexibility and/or protection from liquids, vapors, solids or weather
 - For the installation and protection of electrical conductors in circuits or 600 Volts or less
 - For equipment grounding in sizes 3/8" through 1-1/4" in lengths not exceeding 6 feet, per NEC 250.118(6)
- For certain locations:
 - For exposed or concealed locations
 - Under raised floors in data processing areas per NEC 645.5(D) and 645.5(D)(2)
 - Service entrances, up to 6 feet in length per NEC 230.43 (15)
 - Hazardous locations: where necessary for flexible connections, in accordance with the following:
 - Class 1, Div. 2 - NEC 501.10(B)(2) & 501.30(B)
 - Class 2, Div. 1 - NEC 502.10(A)(2) & 502.30(B)
 - Class 2, Div. 2 - NEC 502.10(B)(2)
 - Class 3, Div. 1 - NEC 503.10(A)(2) & 503.30(B)
 - Class 3, Div. 2 - NEC 503.10(A)(2)
- For certain applications:
 - For applications requiring movement, crossover connections or tight bends
 - For industrial and commercial applications for conveyors, blowers, air conditioners, machine tooling and lubrication equipment
 - Elevators, escalators, moving walks, wheel chair lifts and stairway chair lifts, per NEC 620.01, where permitted
 - Cranes and hoists, per NEC 610.11(C)
 - Boatyards and marinas, per NEC 555.13
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 volts)
 - Floating building feeders and services, per NEC 553.7(B)

HOW IT'S MADE

- Spiral wound strip of heavy gauge, corrosion-resistant, hot-dipped galvanized steel
- For 3/8" through 1-1/4" sizes, the core has a square, locked, steel strip with a copper bonding strip enclosed within the steel convolutions
- Jacket: Rugged, flame retardant, flexible, UV sunlight resistant, gray, PVC jacket
- Other jacket colors are available; however, the blue color easily identifies raceways for uninterrupted computer power circuits
- Protects against liquids, alcohol, coolants, corrosive fumes and gases, dirt, grease, mineral acids, salt, air, alkalines, oil, certain chemicals, temperatures, sunlight and weather.

HOW IT'S CERTIFIED

- CSA Listed to CSA 22.2 No.56 for use per the Canadian Electrical Code C22.1 Section 12-1300.
- UL Listed to Underwriters Laboratories Standard ANSI / UL-360 for Liquidtight Flexible Steel Conduit.
- NEC Type designation - Type LFMC (Liquidtight Flexible Metal Conduit).
- ANSI / NFPA-70, NEC Article 350.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. BEND RADIUS* (INCHES)
3/8	27	0.484 / 0.504	0.690 / 0.710	4
1/2	31	0.622 / 0.642	0.820 / 0.840	4
3/4	40	0.820 / 0.840	1.030 / 1.050	5
1	76	1.041 / 1.066	1.290 / 1.315	6
1-1/4	102	1.380 / 1.410	1.630 / 1.660	8
1-1/2	103	1.575 / 1.600	1.865 / 1.900	10
2	145	2.020 / 2.045	2.340 / 2.375	12
2-1/2	197	2.480 / 2.505	2.840 / 2.875	15
3	265	3.070 / 3.100	3.460 / 3.500	18
3-1/2	300	3.500 / 3.540	3.960 / 4.000	21
4	333	4.000 / 4.040	4.460 / 4.500	24

*Minimum bend radius based on NEC Chapter 9.

PACKAGING

	5/16	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
25 FT COIL							●	●	●	●	●	●
50 FT COIL					●	●						
100 FT COIL	●	●	●	●				●				
250 FT COIL		●				●						

Titan™ CB
LIQUIDTIGHT FLEXIBLE METAL CONDUIT

Titan™ EF

LIQUIDTIGHT FLEXIBLE METAL CONDUIT



- **EF:** Extra-Flexible
- Rated -10°C to 60°C
- Liquidtight Metal Conduit
- Resistant to Weather, Heat, Oil and Chemical Breakdown
- Smooth Metal Interior for Easy Pulling

HOW IT'S USED

- For concealed or exposed installations requiring movement, crossover connections or tight bends
- Seals out alcohol, coolants, corrosive fumes and gases, dirt, grease, mineral acid, non-concentrated fixed alkalines, petroleum oils, salt air spray, water and various weather conditions
- Used in industrial and commercial applications for conveyors, blowers, cranes, air conditioners, machine tooling and lubrication equipment where UL listing is not required
- Provides wiring protection where listed products are not required

HOW IT'S MADE

- Spiral wound, interlocked aluminum strip of corrosion-resistant galvanized steel
- Gray PVC jacket is flexible, flame retardant and resists oils, mild acids as well as exposure to sunlight





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. BEND RADIUS (INCHES)
3/8	22	0.484 / 0.504	0.690 / 0.710	4
1/2	23	0.622 / 0.642	0.820 / 0.840	4
3/4	29	0.820 / 0.840	1.030 / 1.050	5
1	58	1.041 / 1.066	1.290 / 1.315	6
1-1/4	73	1.380 / 1.410	1.630 / 1.660	8
1-1/2	95	1.575 / 1.600	1.865 / 1.900	10
2	131	2.020 / 2.045	2.340 / 2.375	12
2-1/2	156	2.480 / 2.505	2.840 / 2.875	15
3	209	3.070 / 3.100	3.460 / 3.500	18
3-1/2	259	3.500 / 3.540	3.960 / 4.000	21
4	306	4.000 / 4.040	4.460 / 4.500	24
ALUMINUM CORE EXTRA FLEXIBLE LIQUIDTIGHT METALLIC CONDUIT				
3/8	15	0.484 / 0.504	0.690 / 0.710	4
1/2	16	0.622 / 0.642	0.820 / 0.840	4
3/4	20	0.820 / 0.840	1.030 / 1.050	4.5
1	41	1.041 / 1.066	1.290 / 1.315	5.75
1-1/4	51	1.380 / 1.410	1.630 / 1.660	7.25
1-1/2	67	1.575 / 1.600	1.865 / 1.900	8.25
2	92	2.020 / 2.045	2.340 / 2.375	9.5
2-1/2	109	2.480 / 2.505	2.840 / 2.875	10.5
3	146	3.070 / 3.100	3.460 / 3.500	13
3-1/2	181	3.500 / 3.540	3.960 / 4.000	15
4	214	4.000 / 4.040	4.460 / 4.500	16

PACKAGING

	5/16	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
25 FT COIL							●	●	●	●	●	●
50 FT COIL					●	●						
100 FT COIL	●	●	●	●				●				
250 FT COIL		●				●						

Titan™ EF

LIQUIDTIGHT FLEXIBLE METAL CONDUIT

Titan™ HC

LIQUIDTIGHT FLEXIBLE METAL CONDUIT



- **HC: Hot/Cold**
- Rated -40°C to 105°C
- Oil and Sunlight Resistant
- Accepts Standard Metallic Liquidtight Fittings
- Rated for direct burial
- Smooth Metal Interior for Easy Pulling

HOW IT'S USED

- For certain conditions:
 - For extreme oil and solvent environments
 - Where conditions of installation, operation or maintenance require flexibility and/or protection from liquids, vapors, solids or weather
 - For the installation and protection of electrical conductors in circuits or 600 Volts or less
 - For equipment grounding in sizes 3/8" through 1-1/4" in lengths not exceeding 6 feet, per NEC 250.118(6)
- For certain locations:
 - For exposed or concealed locations
 - Under raised floors in data processing areas per NEC 645.5(D) and 645.5(D)(2)
 - Service entrances, up to 6 feet in length per NEC 230.43 (15)
 - Hazardous locations: where necessary for flexible connections, in accordance with the following:
 - Class 1, Div. 2 - NEC 501.10(B)(2) & 501.30(B)
 - Class 2, Div. 1 - NEC 502.10(A)(2) & 502.30(B)
 - Class 2, Div. 2 - NEC 502.10(B)(2)
 - Class 3, Div. 1 - NEC 503.10(A)(2) & 503.30(B)
 - Class 3, Div. 2 - NEC 503.10(A)(2)
- For certain applications:
 - For applications requiring movement, crossover connections or tight bends
 - For industrial and commercial applications for conveyors, blowers, air conditioners, machine tooling and lubrication equipment
 - Elevators, escalators, moving walks, wheel chair lifts and stairway chair lifts, per NEC 620.01, where permitted
 - Cranes and hoists, per NEC 610.11(C)
 - Boatyards and marinas, per NEC 555.13
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 volts)
 - Floating building feeders and services, per NEC 553.7(B)

HOW IT'S MADE

- Spiral wound strip of heavy gauge, corrosion-resistant, hot-dipped galvanized steel
- For 3/8" through 1-1/4" sizes, the core has a square, locked, steel strip with a copper bonding strip enclosed within the steel convolutions
- Jacket: Rugged, flame retardant, flexible, PVC jacket that is rated for extreme hot and cold temperature environments
- Protects against liquids, alcohol, coolants, corrosive fumes and gases, dirt, grease, mineral acids, salt, air, alkalines, oil, certain chemicals, temperatures, sunlight and weather.

HOW IT'S CERTIFIED

- UL Listed to Underwriters Laboratories Standard ANSI / UL-360 for Liquidtight Flexible Steel Conduit.
- CSA Listed to CSA 22.2 No.56 for use per the Canadian Electrical Code C22.1 Section 12-1300.
- NEC Type designation - Type LFMC (Liquidtight Flexible Metal Conduit).
- ANSI / NFPA-70, NEC Article 350.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (lbs/100 ft)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. INSIDE BEND DIAMETER (INCHES)
3/8	27	0.484 / 0.504	0.690 / 0.710	4
1/2	31	0.622 / 0.642	0.820 / 0.840	6.5
3/4	40	0.820 / 0.840	1.030 / 1.050	8.5
1	76	1.041 / 1.066	1.290 / 1.315	13
1-1/4	102	1.380 / 1.410	1.630 / 1.660	16
1-1/2	103	1.575 / 1.600	1.865 / 1.900	18
2	145	2.020 / 2.045	2.340 / 2.375	22.25
2-1/2	197	2.480 / 2.505	2.840 / 2.875	29.25
3	265	3.070 / 3.100	3.460 / 3.500	35
3-1/2	300	3.500 / 3.540	3.960 / 4.000	40
4	333	4.000 / 4.040	4.460 / 4.500	48

PACKAGING

	5/16	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
25 FT COIL							●	●	●	●	●	●
50 FT COIL					●	●						
100 FT COIL	●	●	●	●				●				
250 FT COIL		●				●						

Titan™ HC
LIQUIDTIGHT FLEXIBLE METAL CONDUIT

Titan™ OR

LIQUIDTIGHT FLEXIBLE METAL CONDUIT



- **OR: Oil Resistant**
- Rated -30°C to 80°C
- Sunlight Resistant
- Rated for Extreme Oil and Solvent Environments
- Accepts standard metallic liquid-tight fittings
- Rated for direct burial applications
- Smooth Metal Interior for Easy Pulling

HOW IT'S USED

- For certain conditions:
 - For extreme oil and solvent environments
 - Where conditions of installation, operation or maintenance require flexibility and/or protection from liquids, vapors, solids or weather
 - For the installation and protection of electrical conductors in circuits or 600 Volts or less
 - For equipment grounding in sizes 3/8" through 1-1/4" in lengths not exceeding 6 feet, per NEC 250.118(6)
- For certain locations:
 - For exposed or concealed locations
 - Under raised floors in data processing areas per NEC 645.5(D) and 645.5(D)(2)
 - Service entrances, up to 6 feet in length per NEC 230.43 (15)
 - Hazardous locations: where necessary for flexible connections, in accordance with the following:
 - Class 1, Div. 2 - NEC 501.10(B)(2) & 501.30(B)
 - Class 2, Div. 1 - NEC 502.10(A)(2) & 502.30(B)
 - Class 2, Div. 2 - NEC 502.10(B)(2)
 - Class 3, Div. 1 - NEC 503.10(A)(2) & 503.30(B)
 - Class 3, Div. 2 - NEC 503.10(A)(2)
- For certain applications:
 - For applications requiring movement, crossover connections or tight bends
 - For industrial and commercial applications for conveyors, blowers, air conditioners, machine tooling and lubrication equipment
 - Elevators, escalators, moving walks, wheel chair lifts and stairway chair lifts, per NEC 620.01, where permitted
 - Cranes and hoists, per NEC 610.11(C)
 - Boatyards and marinas, per NEC 555.13
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 volts)
 - Floating building feeders and services, per NEC 553.7(B)

HOW IT'S MADE

- Spiral wound strip of heavy gauge, corrosion-resistant, hot-dipped galvanized steel
- For 3/8" through 1-1/4" sizes, the core has a square, locked, steel strip with a copper bonding strip enclosed within the steel convolutions
- **Jacket:** Rugged, flame retardant, flexible, PVC jacket that is rated for extreme oil and solvent environments
- Protects against liquids, alcohol, coolants, corrosive fumes and gases, dirt, grease, mineral acids, salt, air, alkalines, oil, certain chemicals, temperatures, sunlight and weather

HOW IT'S CERTIFIED

- UL Listed to Underwriters Laboratories Standard ANSI / UL-360 for Liquidtight Flexible Steel Conduit.
- CSA Listed to CSA 22.2 No.56 for use per the Canadian Electrical Code C22.1 Section 12-1300.
- NEC Type designation - Type LFMC (Liquidtight Flexible Metal Conduit).
- ANSI / NFPA-70, NEC Article 350.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. BEND RADIUS (INCHES)
3/8	27	0.484 / 0.504	0.690 / 0.710	2
1/2	31	0.622 / 0.642	0.820 / 0.840	4
3/4	40	0.820 / 0.840	1.030 / 1.050	5
1	76	1.041 / 1.066	1.290 / 1.315	6
1-1/4	102	1.380 / 1.410	1.630 / 1.660	8
1-1/2	103	1.575 / 1.600	1.865 / 1.900	10
2	145	2.020 / 2.045	2.340 / 2.375	12
2-1/2	197	2.480 / 2.505	2.840 / 2.875	15
3	265	3.070 / 3.100	3.460 / 3.500	18
3-1/2	300	3.500 / 3.540	3.960 / 4.000	21
4	333	4.000 / 4.040	4.460 / 4.500	24

PACKAGING

	5/16	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
25 FT COIL							●	●	●	●	●	●
50 FT COIL					●	●						
100 FT COIL	●	●	●	●				●				
250 FT COIL		●				●						

Titan™ OR
LIQUIDTIGHT FLEXIBLE METAL CONDUIT

Titan™ UL

LIQUIDTIGHT FLEXIBLE METAL CONDUIT



- **UL:** Underwriters Laboratories
- Rated for -30°C to 80°C, 60°C for Oil
- Crush/Corrosion, Oil and Sunlight Resistant
- Accepts Standard Metallic Liquidtight Fittings Rated for Direct Burial
- Smooth Metal Interior for Easy Pulling

HOW IT'S USED

- For certain conditions:
 - For extreme oil and solvent environments
 - Where conditions of installation, operation or maintenance require flexibility and/or protection from liquids, vapors, solids or weather
 - For the installation and protection of electrical conductors in circuits or 600 Volts or less
 - For equipment grounding in sizes 3/8" through 1-1/4" in lengths not exceeding 6 feet, per NEC 250.118(6)
- For certain locations:
 - For exposed or concealed locations
 - Under raised floors in data processing areas per NEC 645.5(D) and 645.5(D)(2)
 - Service entrances, up to 6 feet in length per NEC 230.43 (15)
 - Hazardous locations: where necessary for flexible connections, in accordance with the following:
 - Class 1, Div. 2 - NEC 501.10(B)(2) & 501.30(B)
 - Class 2, Div. 1 - NEC 502.10(A)(2) & 502.30(B)
 - Class 2, Div. 2 - NEC 502.10(B)(2)
 - Class 3, Div. 1 - NEC 503.10(A)(2) & 503.30(B)
 - Class 3, Div. 2 - NEC 503.10(A)(2)
- For certain applications:
 - For applications requiring movement, crossover connections or tight bends
 - For industrial and commercial applications for conveyors, blowers, air conditioners, machine tooling and lubrication equipment
 - Elevators, escalators, moving walks, wheel chair lifts and stairway chair lifts, per NEC 620.01, where permitted
 - Cranes and hoists, per NEC 610.11(C)
 - Boatyards and marinas, per NEC 555.13
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 volts)
 - Floating building feeders and services, per NEC 553.7(B)

HOW IT'S MADE

- Spiral wound strip of heavy gauge, corrosion-resistant, hot-dipped galvanized steel
- For 3/8" through 1-1/4" sizes, the core has a square, locked, steel strip with a copper bonding strip enclosed within the steel convolutions
- **Jacket:** Rugged, flame retardant, flexible, UV sunlight resistant, grey, PVC jacket
- Protects against liquids, alcohol, coolants, corrosive fumes and gases, dirt, grease, mineral acids, salt, air, alkalines, oil, certain chemicals, temperatures, sunlight and weather

HOW IT'S CERTIFIED

- UL Listed to Underwriters Laboratories Standard ANSI / UL-360 for Liquidtight Flexible Steel Conduit.
- CSA Listed to CSA 22.2 No.56 for use per the Canadian Electrical Code C22.1 Section 12-1300.
- NEC Type designation - Type LFMC (Liquidtight Flexible Metal Conduit).
- ANSI / NFPA-70, NEC Article 350.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. BEND RADIUS* (INCHES)
3/8	37	0.484 / 0.504	0.690 / 0.710	4
1/2	31	0.622 / 0.642	0.820 / 0.840	4
3/4	40	0.820 / 0.840	1.030 / 1.050	5
1	76	1.041 / 1.066	1.290 / 1.315	6
1-1/4	102	1.380 / 1.410	1.630 / 1.660	8
1-1/2	103	1.575 / 1.600	1.865 / 1.900	10
2	145	2.020 / 2.045	2.340 / 2.375	12
2-1/2	197	1.575 / 1.600	2.840 / 2.875	15
3	265	1.575 / 1.600	3.460 / 3.500	18
3-1/2	300	1.575 / 1.600	3.960 / 4.000	21
4	333	1.575 / 1.600	4.460 / 4.500	24

*Minimum bend radius based on NEC Chapter 9.

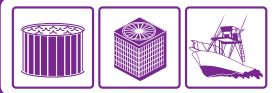
PACKAGING

	5/16	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
25 FT COIL							●	●	●	●	●	●
50 FT COIL					●	●						
100 FT COIL	●	●	●	●				●				
250 FT COIL		●				●						

Titan™ UL
LIQUIDTIGHT FLEXIBLE METAL CONDUIT

Ultratite® NM

LIQUIDTIGHT FLEXIBLE CONDUIT



- **NM: Non-Metallic**
- For Dry Locations
- Rated -30°C to 80°C,
Rated 60°C Oil
- For Direct Burial &
Encased in Concrete
- Highly Flexible
- Crush Resistant
- Smooth Metal Interior for
Easy Wiring

HOW IT'S USED

- For certain conditions:
 - Where conditions of installation, operation or maintenance require flexibility and/or protection from liquids, vapors, solids or weather
 - For the installation and protection of electrical conductors in circuits of 600 Volts or less
- For certain locations:
 - For exposed or concealed locations
 - Under raised floors in data processing areas per NEC 645.5(D) and 645.5(D)(2)
 - For use in lengths longer than 6 feet, per NEC 356.10(5)
 - Hazardous locations: where necessary for flexible connections, in accordance with the following:
 - Class 1, Div. 2 - NEC 501.10(B)(2) & 501.30(B)
 - Class 2, Div. 1 - NEC 502.10(A)(2) & 502.30(B)
 - Class 2, Div. 2 - NEC 502.10(B)(2)
 - Class 3, Div. 1 - NEC 503.10(A)(2) & 503.30(B)
 - Class 3, Div. 2 - NEC 503.10(A)(2)
- For certain applications:
 - For motor circuits - motor feeders, branch and control circuits
 - For applications requiring movement, crossover connections or tight bends
 - For industrial and commercial applications for conveyors, blowers, air conditioners, machine tooling and lubrication equipment
 - Elevators, escalators, moving walks, wheel chair lifts and stairway chair lifts, per NEC 620.21, where permitted
 - Cranes and hoists, per NEC 610.11(C)
 - Boatyards and marinas, per NEC 555.13
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 Volts)
 - Floating building feeders and services, per NEC 553.7(B)
 - Service entrances, up to 6 feet in length per NEC 230.43 (15)
 - Agricultural buildings, per NEC 547.5
 - Motor leads, per NEC 430.145(B)
 - Swimming pools, spa and hot tub motors, per NEC 680.21 (A)(E) & 680.42(A)(I)

HOW IT'S MADE

- Spiral of rigid PVC reinforcement imbedded within a flexible PVC wall
- Thermoplastic materials protect and form the conduit which seals out water, liquids, alcohol, coolants, corrosive fumes and gases, dirt grease, oil, mild acids, non-concentrated fixed alkalis, various weather conditions and exposure to sun

HOW IT'S CERTIFIED

- NEC Type designation - Type LFNC-B (Liquidtight Flexible Nonmetallic Conduit).
- ANSI / NFPA-70, NEC Article 356.
- UL Listed to Underwriters Laboratories Standard UL 1660.
- Approved by Canadian Standards Association.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. BEND RADIUS (INCHES)
3/8	10.5	0.484 / 0.504	0.690 / 0.710	4
1/2	13	0.622 / 0.642	0.820 / 0.840	4
3/4	18	0.820 / 0.840	1.030 / 1.050	5
1	27	1.041 / 1.066	1.290 / 1.315	6
1-1/4	34	1.380 / 1.410	1.630 / 1.660	8
1-1/2	45	1.575 / 1.600	1.865 / 1.900	10
2	64	2.020 / 2.045	2.340 / 2.375	12

PACKAGING

	3/8	1/2	3/4	1	1-1/4	1-1/2	2
50 FT COIL					●	●	●
100 FT COIL	●	●	●	●			●
150 FT COIL						●	
250 FT REEL					●		
400 FT REEL				●			
600 FT REEL	●						
1000 FT REEL		●	●				

Ultratite[®] NM
LIQUIDTIGHT FLEXIBLE CONDUIT

Ultratite® NMEF

LIQUIDTIGHT FLEXIBLE CONDUIT

HOW IT'S USED

- For use where vibrations or harsh environments exist
- Seals out alcohol, coolants, corrosive fumes and gases, dirt, grease, mineral acids, non-concentrated fixed alkalines, petroleum oils, salt, water and various weather conditions
- Provides wiring protection where listed products are not required

HOW IT'S MADE

- Spiral of rigid PVC imbedded in a flexible PVC wall
- Provides excellent impact and crush strength

HOW IT'S CERTIFIED

- UL component recognized per UL Standard for Safety, UL 1660.

- **NMEF: Non-Metallic Extra Flexible**
- Rated -10°C to 60°C
- Resistant to Oil, Water, Rust and Most Chemicals
- Smooth Interior for Easy Pulling





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (lbs/100 ft)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. INSIDE BEND DIAMETER (INCHES)
3/8	5.5	0.484 / 0.504	0.690 / 0.710	4
1/2	8.8	0.622 / 0.642	0.820 / 0.840	4
3/4	10.5	0.820 / 0.840	1.030 / 1.050	5
1	18.5	1.041 / 1.066	1.290 / 1.315	6
1-1/4	20	1.380 / 1.410	1.630 / 1.660	8
1-1/2	23	1.575 / 1.600	1.865 / 1.900	10
2	32	2.020 / 2.045	2.340 / 2.375	12

PACKAGING

	3/8	1/2	3/4	1	1-1/4	1-1/2	2
50 FT COIL						●	●
100 FT COIL	●	●	●	●	●		

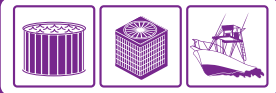
Ultratite® NMEF
LIQUIDTIGHT FLEXIBLE CONDUIT

Ultratite® NMHC

LIQUIDTIGHT FLEXIBLE CONDUIT



ETALLIC LIQUID-TIGHT CONDUIT TYPE B



• **NMHC: Non-Metallic** **Hot/Cold**

- For Dry Locations
- Rated -30°C to 80°C
- For Direct Burial & Encased in Concrete
- Highly Flexible
- Crush Resistant
- Smooth Metal Interior for Easy Wiring

HOW IT'S USED

- For certain conditions:
 - For direct burial and concrete applications
 - For motor circuits - motor feeders, branch and control circuits
 - For applications requiring movement, crossover connections or tight bends
 - For industrial and commercial applications for conveyors, blowers, air conditioners, machine tooling and lubrication equipment
 - Elevators, escalators, moving walks, wheel chair lifts and stairway chair lifts, per NEC 620.21, where permitted
 - Cranes and hoists, per NEC 610.11(C)
 - Boatyards and marinas, per NEC 555.13
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 Volts)
 - Floating building feeders and services, per NEC 553.7(B)
 - Service entrances, up to 6 feet in length per NEC 230.43 (15)
 - Agricultural buildings, per NEC 547.5
 - Motor leads, per NEC 430.145(B)
 - Swimming pools, spa and hot tub motors, per NEC 680.21 (A)(E) & 680.42(A)(1)
- For certain locations:
 - For exposed or concealed locations
 - Under raised floors in data processing areas per NEC 645.5(D) and 645.5(D)(2)
 - For use in lengths longer than 6 feet, per NEC 356.10(5)
 - Hazardous locations: where necessary for flexible connections, in accordance with the following:
 1. Class 1, Div. 2 - NEC 501.10(B)(2) & 501.30(B)
 2. Class 2, Div. 1 - NEC 502.10(A)(2) & 502.30(B)
 3. Class 2, Div. 2 - NEC 502.10(B)(2)
 4. Class 3, Div. 1 - NEC 503.10(A)(2) & 503.30 (B)
 5. Class 3, Div. 2 - NEC 503.10(A)(2)
- For certain conditions:
 - For environments with extreme hot and cold temperatures
 - Where conditions of installation, operation maintenance require flexibility, and/or protection from liquids, vapors, solids, weather
 - For the installation and protection of electrical conductors in circuits of 600 Volts or less

HOW IT'S MADE

- Spiral of rigid PVC reinforcement imbedded within a flexible PVC wall
- Thermoplastic materials protect and form the conduit which seals out water, liquids, alcohol, coolants, corrosive fumes and gases, dirt, grease, oil, mild acids, non-concentrated fixed alkalines, various weather conditions and exposure to sun

HOW IT'S CERTIFIED

- NEC Type designation - Type LFNC-B (Liquidtight Flexible Nonmetallic Conduit).
- ANSI / NFPA-70, NEC Article 356.
- UL Listed to Underwriters Laboratories Standard UL 1660.
- Approved by Canadian Standards Association.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (lbs/100 ft)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. INSIDE BEND DIAMETER (INCHES)
3/8	10.5	0.484 / 0.504	0.690 / 0.710	4
1/2	13	0.622 / 0.642	0.820 / 0.840	6.5
3/4	18	0.820 / 0.840	1.030 / 1.050	8.5
1	27	1.041 / 1.066	1.290 / 1.315	13
1-1/4	34	1.380 / 1.410	1.630 / 1.660	16
1-1/2	45	1.575 / 1.600	1.865 / 1.900	18
2	64	2.020 / 2.045	2.340 / 2.375	22.2

PACKAGING

	3/8	1/2	3/4	1	1-1/4	1-1/2	2
50 FT COIL					●	●	●
100 FT COIL	●	●	●	●			●
150 FT COIL						●	
250 FT REEL					●		
400 FT REEL				●			
600 FT REEL	●						
1000 FT REEL		●	●				

Ultratite[®] NMHC
LIQUIDTIGHT FLEXIBLE CONDUIT

Ultratite® NMOR

LIQUIDTIGHT FLEXIBLE CONDUIT



• **NMOR: Non-Metallic** **Oil Resistant**

- For Dry Locations
- Rated -30°C to 80°C
- For Direct Burial & Encased in Concrete
- Highly Flexible
- Crush Resistant
- Smooth Metal Interior for Easy Wiring

HOW IT'S USED

- For certain conditions:
 - For direct burial and concrete applications
 - For motor circuits - motor feeders, branch and control circuits
 - For applications requiring movement, crossover connections or tight bends
 - For industrial and commercial applications for conveyors, blowers, air conditioners, machine tooling and lubrication equipment
 - Elevators, escalators, moving walks, wheel chair lifts and stairway chair lifts, per NEC 620.21, where permitted
 - Cranes and hoists, per NEC 610.11(C)
 - Boatyards and marinas, per NEC 555.13
 - Electric signs and outline lighting supply and secondary circuit, per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 Volts)
 - Floating building feeders and services, per NEC 553.7(B)
 - Service entrances, up to 6 feet in length per NEC 230.43 (15)
 - Agricultural buildings, per NEC 547.5
 - Motor leads, per NEC 430.145(B)
 - Swimming pools, spa and hot tub motors, per NEC 680.21 (A)(E) & 680.42(A)(1)
- For certain locations:
 - For exposed or concealed locations
 - Under raised floors in data processing areas per NEC 645.5(D) and 645.5(D)(2)
 - For use in lengths longer than 6 feet, per NEC 356.10(5)
 - Hazardous locations: where necessary for flexible connections, in accordance with the following:
 1. Class 1, Div. 2 - NEC 501.10(B)(2) & 501.30(B)
 2. Class 2, Div. 1 - NEC 502.10(A)(2) & 502.30(B)
 3. Class 2, Div. 2 - NEC 502.10(B)(2)
 4. Class 3, Div. 1 - NEC 503.10(A)(2) & 503.30 (B)
 5. Class 3, Div. 2 - NEC 503.10(A)(2)
- For certain conditions:
 - For extreme oil and solvent environments
 - Where conditions of installation, operation maintenance require flexibility, and/or protection from liquids, vapors, solids, weather
 - For the installation and protection of electrical conductors in circuits of 600 Volts or less

HOW IT'S MADE

- Spiral of rigid PVC reinforcement imbedded within a flexible PVC wall
- Thermoplastic materials protect and form the conduit which seals out water, liquids, alcohol, coolants, corrosive fumes and gases, dirt, grease, oil, mild acids, non-concentrated fixed alkalines, various weather conditions and exposure to sun

HOW IT'S CERTIFIED

- NEC Type designation - Type LFNC-B (Liquidtight Flexible Nonmetallic Conduit).
- ANSI / NFPA-70, NEC Article 356.
- UL Listed to Underwriters Laboratories Standard UL 1660.
- Approved by Canadian Standards Association.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

SIZE (INCHES)	APPROXIMATE WEIGHT (LBS/100 FT)	INNER DIAMETER MIN./MAX. (INCHES)	OUTER DIAMETER MIN./MAX. (INCHES)	APPROX. INSIDE BEND DIAMETER (INCHES)
3/8	10.5	0.484 / 0.504	0.690 / 0.710	4
1/2	13	0.622 / 0.642	0.820 / 0.840	4
3/4	18	0.820 / 0.840	1.030 / 1.050	5
1	27	1.041 / 1.066	1.290 / 1.315	6
1-1/4	34	1.380 / 1.410	1.630 / 1.660	8
1-1/2	45	1.575 / 1.600	1.865 / 1.900	10
2	64	2.020 / 2.045	2.340 / 2.375	12

PACKAGING

	3/8	1/2	3/4	1	1-1/4	1-1/2	2
50 FT COIL					●	●	●
100 FT COIL	●	●	●	●			●
150 FT COIL						●	
250 FT REEL					●		
400 FT REEL				●			
600 FT REEL	●						
1000 FT REEL		●	●				

Ultratite[®] NMOR
LIQUIDTIGHT FLEXIBLE CONDUIT

Lite-Whip®

PRE-ASSEMBLED FIXTURE WHIPS



- **Lite-Whip:** Pre-Assembled Fixture Whips
- 600 Volts

HOW IT'S USED

- For connecting fluorescent lay-in fixtures and incandescent fixtures to suspended and accessible ceilings

HOW IT'S MADE

- Continuously interlocked steel armor
- Solid or stranded THHN/THWN
- Solid TFN or stranded TFFN conductors
- Approved Lock-nut or Snap-in fittings for easy and hassle free hook-ups
- 6" conductor leads at each end
- 1/2" stripped insulation
- Complete assembly, ready to install, from the factory

HOW IT'S CERTIFIED

- Lite-Whip® is UL Listed under the Wiring Assemblies (QQYZ) category.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

PART NUMBER	WIRE SIZE # OF COND. / SIZE	CONDUCTOR TYPE	CARTON PACKAGE QUANTITY/WEIGHT	BARREL PACKAGE QUANTITY / WEIGHT
LOCK-NUT FITTINGS WITH SOLID THHN/THWN OR TFN CONDUCTORS				
LWL183	3x # 18 AWG	SOLID	30 UNITS/23 lbs	100 UNITS/80 lbs
LWL184	4x # 18 AWG	SOLID	30 UNITS/24 lbs	100 UNITS/84 lbs
LWL143	3x # 14 AWG	SOLID	30 UNITS/25 lbs	100 UNITS/85 lbs
LWL144	4x # 14 AWG	SOLID	30 UNITS/26 lbs	100 UNITS/90 lbs
LWL123	3x # 12 AWG	SOLID	30 UNITS/30 lbs	100 UNITS/95 lbs
SNAP-IN FITTINGS WITH SOLID THHN/THWN OR TFN CONDUCTORS				
LWL183	3x # 18 AWG	SOLID	30 UNITS/23 lbs	100 UNITS/80 lbs
LWL184	4x # 18 AWG	SOLID	30 UNITS/24 lbs	100 UNITS/84 lbs
LWL143	3x # 14 AWG	SOLID	30 UNITS/25 lbs	100 UNITS/85 lbs
LWL144	4x # 14 AWG	SOLID	30 UNITS/26 lbs	100 UNITS/90 lbs
LWL123	3x # 12 AWG	SOLID	30 UNITS/30 lbs	100 UNITS/95 lbs
SNAP-IN FITTINGS WITH STRANDED THHN/THWN OR TFN CONDUCTORS				
LWL183S	3x # 18 AWG	STRANDED	30 UNITS/23 lbs	100 UNITS/80 lbs
LWL184S	4x # 18 AWG	STRANDED	30 UNITS/24 lbs	100 UNITS/84 lbs
LWL143S	3x # 14 AWG	STRANDED	30 UNITS/25 lbs	100 UNITS/85 lbs
LWL144S	4x # 14 AWG	STRANDED	30 UNITS/26 lbs	100 UNITS/90 lbs
LWL123S	3x # 12 AWG	STRANDED	30 UNITS/30 lbs	100 UNITS/95 lbs

COLOR CODING

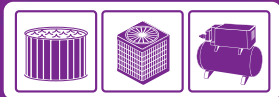
# OF CONDUCTORS	STANDARD COLORS 120/208Y	OPTIONAL COLORS 277/480Y
2	BLACK, WHITE ● ○	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
3	BLACK, WHITE, RED ● ○ ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
4	BLACK, WHITE, RED, BLUE ● ○ ● ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●

Grounding Conductor is Green.

Lite-Whip®
PRE-ASSEMBLED FIXTURE WHIPS

Ultra-Whip® NM

PRE-ASSEMBLED HOOK-UP WHIPS



- **NM: Non-Metallic**
- 600 Volts
- Resistant to Rust, Cracks and Separation
- Intended for 208/240/480 Volt Single Phase Circuits
- Non-Metallic Raceway is Non-Conducting

HOW IT'S USED

- For connecting air conditioners, pumps, motors, compressors, swimming pool devices and other similar equipment
- For electrical applications
- Complete assembly, ready to install, from the factory

HOW IT'S MADE

- Non-Metallic conduit with 2 different PVC materials that form the highly flexible product
- A rigid material forms the stiff helical spring which is encapsulated by a second flexible compound
- Has stranded copper THHN/THWN conductors
- 12" wire leads are exposed at each end for hassle-free hook-ups with 1/2" stripped insulation

HOW IT'S CERTIFIED

- Ultra-Whip® is UL Listed under the Wiring Assemblies (QQYZ) category. Ultra-Whip® complies with NEC Article 356, UL Standard 1660, and CSA Standard C22.2 No. 227.2 for Liquidtight Flexible Non-Metallic Conduit. The fittings meet UL Standard 514B, CSA Standard C22.2 No. 18 and NEMA FB-1.





**METAL CLAD
& CONDUIT**



WEIGHTS AND MEASUREMENTS

PART NUMBER	SIZE (INCHES)	WIRE SIZE # OF COND. /SIZE	AMPERE RATING (AMPS)	MASTER CARTON QUANTITY (# OF PIECES)	MASTER CARTON WEIGHT (LBS.)
R124	1/2"	3x #10 AWG	30	6	12
R126	1/2"	3x #10 AWG	30	6	13
R344	3/4"	2x #8 AWG	40	6	14
		1x #10 AWG Ground			
R346	3/4"	2x #8 AWG	40	6	15
		1x #10 AWG Ground			

COLOR CODING

# OF CONDUCTORS	STANDARD COLORS 120/208Y	OPTIONAL COLORS 277/480Y
2	BLACK, WHITE ● ○	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
3	BLACK, WHITE, RED ● ○ ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●
4	BLACK, WHITE, RED, BLUE ● ○ ● ●	BROWN, ORANGE, YELLOW, PURPLE, GREY ● ● ● ● ●

Grounding Conductor is Green.

PACKAGING

	1/2" R124	1/2" R126	3/4" R344	3/4" R346
4 FT.	●		●	
6 FT.		●		●

Ultra-Whip® NM
PRE-ASSEMBLED HOOK-UP WHIPS