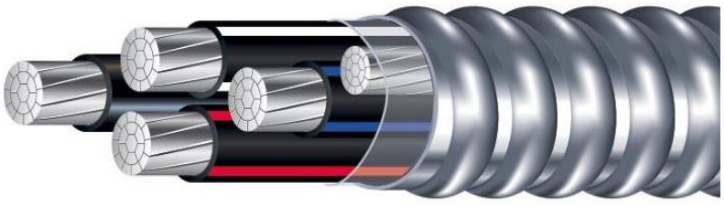
Alumaflex™

6 AWG through 1000 kcmil
8000 series Aluminum Alloy Conductors
XLPE Insulation 600 V, Type XHHW-2 LS & CT
Bare Aluminum Alloy Grounding Conductor
Lightweight Aluminum Interlocked Armor



Cable image is for reference only and does not depict actual cable construction

Applications:

- Branch, feeder and service power distribution under high ambient temperatures in commercial, industrial, institutional, and multi-residential buildings.
- Power, lighting, control, and signal circuits.
- Concealed or exposed installations.
- Places of Assembly per NEC 518.4 and theaters per NEC 520.5.
- Installation in cable tray and approved raceways.
- Class I Div. 2, Class II Div. 2, & Class III Div. 1 Hazardous Locations.
- Maximum sidewall pressure is 1000 lbs.

Standards & References:

Southwire AlumaFlex™ Type MC – XHHW-2, Cable meets or exceeds the requirements:

- UL 44 - Thermoset Insulated Wires and Cables
- UL 1569 – Metal Clad Cables
- NMX-J-451- ANCE – Conductores con Aislamiento Termofijo
- NMX-J-498-ANCE – Determinación de la resistencia a la propagación de la flama en conductores eléctricos colocados en charola vertical (conductores individuales)
- NMX-J-553-ANCE - Resistencia a la intemperie del aislamiento o de la cubierta de conductores eléctricos
- NOM-063-SCFI – Productos eléctricos – Conductores - Requisitos de Seguridad
- NOM-001-SEDE – Instalaciones Eléctricas (Utilización), Articulo 330 Cables Tipo MC
- ICEA S-95-658 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- NFPA 70 (National Electrical Code), Article 330 Metal Clad Cable: Type MC

Construction:

Southwire AlumaFlex™ Type MC – XHHW-2 Cable with Aluminum Alloy is constructed with Type XHHW-2 Low Smoke **(LS),** Cable Tray **(CT – sizes 1/0 AWG and larger)**, conductors rated 90℃ dry or wet, 130˚C for emergency and 250˚C for short circuit, and a bare equipment grounding conductor. Conductors are AA - 8000 series aluminum alloy compact stranded. A binder tape is wrapped over the conductors. Aluminum interlocking armor is applied over the assembly.

Number of Conductors	Color Code
3	Black, Red Striped, and White Striped
4	Black, Red Striped, Blue Striped, and White Striped
Grounding Conductor	Bare

Date:	Spec No.:	Customer:
01/24/2017	MC AL XHHW- 2 LS, & SR - ANCE	
Prepared by:	Job Name:	
EM/CV		

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature _____ Date _____

Southwire® International

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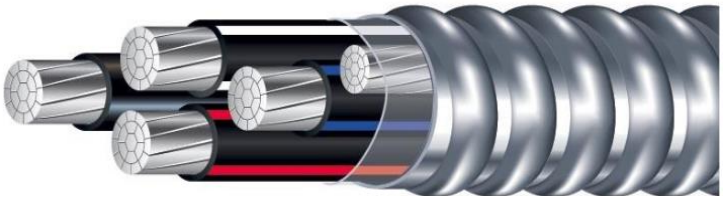

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3 CONDUCTOR CONSTRUCTION												
Stock No.	Size	Area	Insulation Thickness		Ground		Nominal Outer Diameter		Weight		Ampacities*	
	AWG/KCMIL	mm²	mils	mm	Size AWG	Area mm²	in	mm	lbs/MFT	kg/km	75°C	90°C
641786	6	13.3	45	1.14	6	13.3	0.78	19.7	228	339	50	55
641789	4	21.2	45	1.14	6	13.3	0.87	22.2	293	436	65	75
641791	2	33.6	45	1.14	6	13.3	0.99	25.2	390	580	90	100
641793	1/0	53.5	55	1.40	4	21.2	1.18	30.0	570	848	120	135
641796	2/0	67.4	55	1.40	4	21.2	1.27	32.2	671	999	135	150
641798	3/0	85.0	55	1.40	4	21.2	1.37	34.8	792	1178	155	175
641800	4/0	107.2	55	1.40	2	33.6	1.58	40.2	1043	1552	180	205
641802	250	126.7	65	1.65	2	33.6	1.72	43.7	1214	1807	205	230
641805	300	152.0	65	1.65	2	33.6	1.83	46.5	1391	2070	230	260
641807	350	177.3	65	1.65	2	33.6	1.93	49.0	1565	2329	250	280
643393	400	202.7	65	1.65	1	42.4	2.02	51.4	1753	2609	270	305
643396	500	253.3	65	1.65	1	42.4	2.19	55.6	2092	3113	310	350
643398	750	380.0	80	2.03	1/0	53.5	2.62	66.7	3021	4496	385	435

(*) Based on NEC 2014, table 310.15(B)(16)

4 CONDUCTOR CONSTRUCTION												
Stock No.	Size	Area	Insulation Thickness		Ground		Nominal Outer Diameter		Weight		Ampacities*	
	AWG/KCMIL	mm²	mils	mm	Size AWG	Area mm²	in	mm	lbs/MFT	kg/km	75°C	90°C
641679	6	13.3	45	1.14	6	13.3	0.84	21.4	275	409	40	44
641685	4	21.2	45	1.14	6	13.3	0.95	24.1	359	535	52	60
641706	2	33.6	45	1.14	6	13.3	1.08	27.5	485	722	72	80
641717	1/0	53.5	55	1.40	4	21.2	1.29	32.9	716	1065	96	108
641724	2/0	67.4	55	1.40	4	21.2	1.39	35.3	848	1263	108	120
641730	3/0	85.0	55	1.40	4	21.2	1.60	40.8	1084	1613	124	140
641736	4/0	107.2	55	1.40	2	33.6	1.73	43.9	1314	1955	144	164
641743	250	126.7	65	1.65	1	42.4	1.89	47.9	1552	2309	164	184
641750	300	152.0	65	1.65	1	42.4	2.01	51.0	1783	2654	184	163
641757	350	177.3	65	1.65	1/0	53.5	2.12	53.8	2032	3025	200	224
641764	400	202.7	65	1.65	1/0	53.5	2.22	56.5	2258	3361	216	244
641770	500	253.3	65	1.65	2/0	67.4	2.41	61.2	2730	4062	248	280
641776	750	380.0	80	2.03	3/0	85.0	2.90	73.6	3957	5889	308	348

(*) Based on NEC 2014, table 310.15(B)(16) with conductor count adjustment per 4-6.

Date:	Spec No.:	Customer:
01/24/2017	MC AL XHHW- 2 LS, & CT - ANCE	
Prepared by:	Job Name:	
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