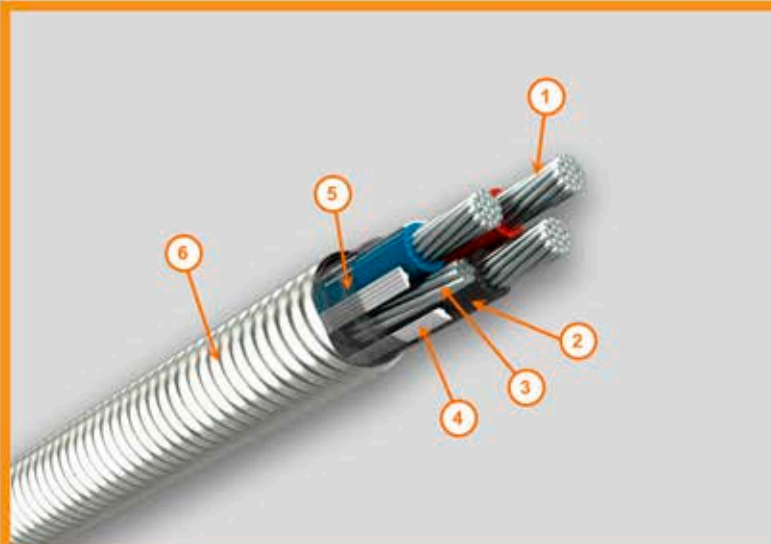


MC CABLE WITH AA-8000 SERIES ALUMINUM ALLOY CONDUCTORS AND XLPE INSULATION TYPE XHHW-2, RoHS, 90°C 600 V CT-SR, AND ALUMINUM INTERLOCKED ARMOR.



Description:

1. Stranded compact class B AA-8000 series aluminum alloy conductors.
2. Cross-linked polyethylene (XLPE) insulation type XHHW-2, RoHS in colors:
 - 3 conductors: black, red and blue
 - 4 conductors: black, red, blue and white
3. Bare AA-8000 series aluminum alloy grounding conductor.
4. Fillers
5. Separator tape.
6. Aluminum interlocked armor.

Applications:

- Branch circuits
- Electric power distribution
- Feeders
- Service
- Street lighting

Features:

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- -----
- Excellent tensile strength properties
- Excellent crushing resistance
- Excellent mechanical resistance
- Excellent resistance to fire propagation
- Excellent resistance to flame propagation
- Excellent resistance to impact
- Excellent resistance to mechanical abuse
- Excellent resistance to vertical tray flame
- Excellent sunlight resistance
- Flexible Armor
- Free of hazardous substances
- Good acid resistance
- Good alkalis resistance
- Good atmospheric pollution resistance
- Good chemical solvents resistance
- Good chemical substance resistance
- Good corrosion resistance
- Good gasoline resistance
- Good grease resistance
- Good hydrocarbon resistance
- Low dielectric loss
- Low emission of corrosive gases
- Low emission of fumes
- Low emission of toxic gases
- Low permittivity (dielectric constant)
- Low smoke
- Low water absorption

Special features:

- Services, feeders and branch circuits conductors in low voltage, for power or lightning circuits. For indoors or outdoors in buildings, schools, auditoriums, hospitals, stadiums, museums, poultry farms, etc..
- Ideally suited for use in a broad range of commercial, industrial and utility applications where reliability is the major concern, space is limited and maximum mechanical protection is required. May be use in cable trays or supports in dry locations.

Standard:

- NMX-J-451-UL-1569

Voltage:

- 600 V

Temperature:

- Normal 90°C
- Overload 130°C
- Short circuit 250°C

Installation type:

- Cable trays
- installation on walls or structures
- Trench
- Underground electrical ducts

Insulation:

- Cross-linked Polyethylene (XLPE)

Recommendation:

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Quality System Certification:

- ISO 9001:2015 Quality System certified by Bureau Veritas

Certification:

- Asociación de Normalización y Certificación A.C. (ANCE)

Order additional information:

- Armanel S8000 MC cable, size, number of conductors, XLPE insulation type XHHW-2, RoHS CT-SR, Aluminum interlocked armor, length and product number

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Number of Product	Size (AWG/kcmil)	Total Cross Section Area (mm2)	Number of Conductors	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness (mils)	Nominal Diameter Over Insulation (in)	Number of grounding conductors	Grounding Conductor Size (AWG-kcmil)	Grounding Conductor Area (mm2)	Nominal Diameter Under Armor (in)	Nominal Diameter Over Armor (in)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Length	Color
3001156	6	13.30	3	7	0.17	44.88	0.26	1	6	13.30	0.59	0.76	0.76	240	CARRETE	1500 m	NO APLICA
3209672	6	13.30	3	7	0.17	44.88	0.26	1	6	13.30	0.59	0.76	0.76	240	CARRETE	*	NO APLICA
32030000UA	6	13.30	4	7	0.17	44.88	0.26	1	6	13.30	0.64	0.81	0.81	287	CARRETE	*	NO APLICA
3209670	4	21.15	3	7	0.21	44.88	0.30	1	6	13.30	0.67	0.85	0.85	305	CARRETE	*	NO APLICA
3001159	4	21.15	4	7	0.21	44.88	0.30	1	6	13.30	0.74	0.92	0.92	372	CARRETE	1500 m	NO APLICA
32030000VA	4	21.15	4	7	0.21	44.88	0.30	1	6	13.30	0.74	0.92	0.92	372	CARRETE	*	NO APLICA
32030000TA	2	33.62	3	7	0.27	44.88	0.36	1	6	13.30	0.78	0.95	0.95	401	CARRETE	*	NO APLICA
32030000WA	2	33.62	4	7	0.27	44.88	0.36	1	6	13.30	0.87	1.08	1.08	525	CARRETE	*	NO APLICA
3001161	2	33.62	4	7	0.27	44.88	0.36	1	6	13.30	0.87	1.08	1.08	525	CARRETE	1500 m	NO APLICA
3002392	1/0	53.50	3	19	0.33	55.12	0.45	1	4	21.15	0.97	1.17	1.17	617	CARRETE	*	NO APLICA
3001163	1/0	53.50	3	19	0.33	55.12	0.45	1	4	21.15	0.97	1.17	1.17	617	CARRETE	1500 m	NO APLICA
32030000EA	1/0	53.50	4	19	0.33	55.12	0.45	1	4	21.15	1.09	1.29	1.29	768	CARRETE	*	NO APLICA
3001162	1/0	53.50	4	19	0.33	55.12	0.45	1	4	21.15	1.09	1.29	1.29	768	CARRETE	1500 m	NO APLICA
3209673	2/0	67.40	3	19	0.37	55.12	0.49	1	4	21.15	1.05	1.26	1.26	718	CARRETE	*	NO APLICA
3001270	2/0	67.40	3	19	0.37	55.12	0.49	1	4	21.15	1.05	1.26	1.26	718	CARRETE	1500 m	NO APLICA
32030000FA	2/0	67.40	4	19	0.37	55.12	0.49	1	4	21.15	1.18	1.39	1.39	900	CARRETE	*	NO APLICA
3001164	2/0	67.40	4	19	0.37	55.12	0.49	1	4	21.15	1.18	1.39	1.39	900	CARRETE	1500 m	NO APLICA
3001166	3/0	85.00	3	19	0.42	55.12	0.53	1	4	21.15	1.15	1.36	1.36	843	CARRETE	1500 m	NO APLICA
3209674	3/0	85.00	3	19	0.42	55.12	0.53	1	4	21.15	1.15	1.36	1.36	843	CARRETE	*	NO APLICA
3001165	3/0	85.00	4	19	0.42	55.12	0.53	1	4	21.15	1.29	1.49	1.49	1063	CARRETE	1500 m	NO APLICA
32030000GA	3/0	85.00	4	19	0.42	55.12	0.53	1	4	21.15	1.29	1.49	1.49	1063	CARRETE	*	NO APLICA
320300004A	4/0	107.00	3	19	0.47	55.12	0.59	1	2	33.62	1.27	1.47	1.47	1024	CARRETE	*	NO APLICA
3001168	4/0	107.00	3	19	0.47	55.12	0.59	1	2	33.62	1.27	1.47	1.47	1024	CARRETE	1500 m	NO APLICA

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Number of Product	Size (AWG/kcmil)	Total Cross Section Area (mm2)	Number of Conductors	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness (mils)	Nominal Diameter Over Insulation (in)	Number of grounding conductors	Grounding Conductor Size (AWG-kcmil)	Grounding Conductor Area (mm2)	Nominal Diameter Under Armor (in)	Nominal Diameter Over Armor (in)	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Length	Color
3001167	4/0	107.00	4	19	0.47	55.12	0.59	1	2	33.62	1.42	1.63	1.63	1 292	CARRETE	1500 m	NO APLICA
32030000HA	4/0	107.00	4	19	0.47	55.12	0.59	1	2	33.62	1.42	1.63	1.63	1 292	CARRETE	*	NO APLICA
320300005A	250	127.00	3	37	0.51	64.96	0.65	1	2	33.62	1.40	1.61	1.61	1 198	CARRETE	*	NO APLICA
3001170	250	127.00	3	37	0.51	64.96	0.65	1	2	33.62	1.40	1.61	1.61	1 198	CARRETE	1500 m	NO APLICA
3001169	250	127.00	4	37	0.51	64.96	0.65	1	1	42.41	1.57	1.78	1.78	1 535	CARRETE	1000 m	NO APLICA
32030000IA	250	127.00	4	37	0.51	64.96	0.65	1	1	42.41	1.57	1.78	1.78	1 535	CARRETE	*	NO APLICA
320300008A	300	152.00	3	37	0.56	64.96	0.70	1	2	33.62	1.51	1.72	1.72	1 373	CARRETE	*	NO APLICA
3001268	300	152.00	3	37	0.56	64.96	0.70	1	2	33.62	1.51	1.72	1.72	1 373	CARRETE	1500 m	NO APLICA
3001171	300	152.00	4	37	0.56	64.96	0.70	1	1	42.41	1.69	1.98	1.98	1 771	CARRETE	1000 m	NO APLICA
32030000JA	300	152.00	4	37	0.56	64.96	0.70	1	1	42.41	1.69	1.98	1.98	1 771	CARRETE	*	NO APLICA
320300007A	350	177.00	3	37	0.61	64.96	0.74	1	2	33.62	1.61	1.89	1.89	1 551	CARRETE	*	NO APLICA
3001172	350	177.00	4	37	0.61	64.96	0.74	1	1/0	53.50	1.80	2.09	2.09	2 016	CARRETE	1000 m	NO APLICA
32030000KA	350	177.00	4	37	0.61	64.96	0.74	1	1/0	53.50	1.80	2.09	2.09	2 016	CARRETE	*	NO APLICA
3002284	400	203.00	3	37	0.65	64.96	0.78	1	1	42.41	1.70	1.99	1.99	1 735	CARRETE	*	NO APLICA
32030000LA	400	203.00	4	37	0.65	64.96	0.78	1	1/0	53.50	1.90	2.19	2.19	2 235	CARRETE	*	NO APLICA
3001174	400	203.00	4	37	0.65	64.96	0.78	1	1/0	53.50	1.90	2.19	2.19	2 235	CARRETE	500 m	NO APLICA
3001150	500	253.00	3	37	0.73	64.96	0.86	1	1	42.41	1.87	2.15	2.15	2 069	CARRETE	*	NO APLICA
3001175	500	253.00	4	37	0.73	64.96	0.86	1	2/0	67.40	2.09	2.38	2.38	2 701	CARRETE	500 m	NO APLICA
3001267	500	253.00	4	37	0.73	64.96	0.86	1	2/0	67.40	2.09	2.38	2.38	2 701	CARRETE	*	NO APLICA
32030000AA	600	304.00	3	61	0.81	79.92	0.98	1	1	42.41	2.11	2.40	2.40	2 500	CARRETE	*	NO APLICA
3002249	600	304.00	4	61	0.81	79.92	0.98	1	2/0	67.40	2.37	2.66	2.66	3 266	CARRETE	*	NO APLICA
32030000BA	700	355.00	3	61	0.88	79.92	1.04	1	1/0	53.50	2.25	2.54	2.54	2 852	CARRETE	*	NO APLICA

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32030000OA	700	355.00	4	61	0.88	79.92	1.04	1	2/0	67.40	2.53	2.81	2.81	3 705	CARRETE	*	NO APLICA
3210965	750	380.00	3	61	0.90	79.92	1.06	1	1/0	53.50	2.30	2.59	2.59	2 997	CARRETE	*	NO APLICA
32030007EA	750	380.00	4	61	0.90	79.92	1.06	1	3/0	85.00	2.58	2.86	2.86	3 929	CARRETE	*	NO APLICA

Notes:

For different constructions to the one shown please get in contact with our Technical Assistance Department.

These data are subjected to normal manufacturing tolerances.

*This is not a stock product. It can be delivered in different lengths or in accordance to the manufacturing standard.