

XLPE/AIA/PVC, 600V Power, Armored UL Type MC, Multi-Conductor



APPLICATION:

XLPE/AIA/PVC 600 Volt Power Type MC Cables provide an excellent crush resistance and a cost effective alternative to installations in conduit in commercial, industrial and utility applications as well as being Sunlight, Oil and Chemical resistant. They may be used in raceways, direct buried, free air and wet or dry locations at 90°C. Permitted and approved for use per NEC Article 330 for Class 1 Div 2, Class 2 Div 2, and Class 3 Div 1 & 2 industrial hazardous locations.

CONDUCTORS:

- Fully annealed bare copper Class B compressed strand per ASTM Standards

GROUND:

- Uninsulated, fully annealed bare copper Class B compressed strand per ASTM Standards

INSULATION:

- Flame Retardant Cross-linked Polyethylene (FR-XLPE)
- Conductors are Type XHHW-2

COLOR CODE:

- ICEA S-58-679 Method 4 (Black and Numbered)
- Additional color coding options available

COND #	CONDUCTOR PRINTING
1	"1-One"
2	"2-Two"
3	"3-Three"
4	"4-Four"
5	"5-Five"

ARMOR:

- Aluminum Interlocked Armor (AIA)

ASSEMBLY:

- Conductors are cabled together with or without non-hygroscopic fillers as required to form a round cable core

JACKET:

- Moisture and sunlight resistant, Flame Retardant Polyvinyl Chloride (FR-PVC) black

STANDARDS:

- Rated at 90°C wet or dry locations
- Meets cold bend test at -25°C
- UL Type MC
- UL 44, UL 1569, UL 1581, UL 1685 (Flame Exposure Test)
- ICEA S-95-658 NEMA WC70
- ICEA T-29-520 210,000 BTU Flame Test
- IEEE 1202/CSA FT4 70,000 BTU Flame Test
- IEEE 383/UL1581 70,000 BTU Flame Test
- Sunlight Resistant for CT Use



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Part Number	No. of Conductors	Conductor Size	Ground Wire Size	Insulation Thickness		Diameter Under the Armor		Jacket Thickness		Overall Diameter		Net Weight	
		AWG	AWG	inches	mm	inches	mm	inches	mm	inches	mm	lbs/kft	kg/km
8-03AIAPG	3	8	10	0.045	1.14	0.538	13.67	0.050	1.27	0.821	20.85	420	625
8-04AIAPG	4	8	10	0.045	1.14	0.601	15.27	0.050	1.27	0.871	22.12	507	754
6-03AIAPG	3	6	8	0.045	1.14	0.615	15.62	0.050	1.27	0.896	22.76	567	844
6-04AIAPG	4	6	8	0.045	1.14	0.688	17.48	0.050	1.27	0.956	24.28	670	997
4-03AIAPG	3	4	8	0.045	1.14	0.721	18.31	0.050	1.27	0.995	25.27	757	1126
4-04AIAPG	4	4	8	0.045	1.14	0.806	20.47	0.050	1.27	1.068	27.13	912	1357
2-03AIAPG	3	2	6	0.045	1.14	0.845	21.46	0.050	1.27	1.118	28.40	1075	1600
2-04AIAPG	4	2	6	0.045	1.14	0.946	24.03	0.050	1.27	1.212	30.78	1295	1927
1-03AIAPG	3	1	6	0.055	1.40	0.976	24.79	0.050	1.27	1.258	31.95	1269	1888
1-04AIAPG	4	1	6	0.055	1.40	1.093	27.76	0.050	1.27	1.368	34.75	1596	2375
1/0-03AIAPG	3	1/0	6	0.055	1.40	1.062	26.97	0.050	1.27	1.344	34.14	1528	2274
1/0-04AIAPG	4	1/0	6	0.055	1.40	1.191	30.25	0.050	1.27	1.465	37.21	1913	2847
2/0-03AIAPG	3	2/0	6	0.055	1.40	1.155	29.34	0.050	1.27	1.437	36.50	1860	2768
2/0-04AIAPG	4	2/0	6	0.055	1.40	1.294	32.87	0.050	1.27	1.688	42.88	2345	3489
3/0-03AIAPG	3	3/0	4	0.055	1.40	1.264	32.11	0.050	1.27	1.543	39.19	2259	3361
3/0-04AIAPG	4	3/0	4	0.055	1.40	1.417	35.99	0.060	1.52	1.807	45.90	2878	4282
4/0-03AIAPG	3	4/0	4	0.055	1.40	1.379	35.03	0.060	1.52	1.784	45.31	2840	4226
4/0-04AIAPG	4	4/0	4	0.055	1.40	1.512	38.40	0.060	1.52	1.900	48.26	3586	5336
250-03AIAPG	3	250	4	0.065	1.65	1.501	38.13	0.060	1.52	1.931	49.05	3275	4873
250-04AIAPG	4	250	4	0.065	1.65	1.676	42.57	0.060	1.52	2.106	53.49	4194	6241
350-03AIAPG	3	350	3	0.065	1.65	1.723	43.76	0.060	1.52	2.153	54.69	4396	6541
350-04AIAPG	4	350	3	0.065	1.65	1.925	48.90	0.060	1.52	2.355	59.82	5646	8401
500-03AIAPG	3	500	2	0.065	1.65	2.002	50.85	0.060	1.52	2.462	62.53	6104	9083
500-04AIAPG	4	500	2	0.065	1.65	2.240	56.90	0.075	1.91	2.700	68.58	7838	11663
750-03AIAPG	3	750	1	0.065	1.65	2.455	62.36	0.075	1.91	2.915	74.04	8860	13184
750-04AIAPG	4	750	1	0.065	1.65	2.795	70.99	0.075	1.91	3.240	82.30	11494	17103

The dimension and weights shown or nominal and subject to industry standards and manufacturing tolerances.
Other designs available upon request.



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