



Specification

HW307

Impervious Continuously Welded Armor - Power and Control Cable

600 Volt UL Type MC-HL, CT Use, 90°C
 XLP XHHW-2 Insulation
 Aluminum Armor
 Copper Conductors



Catalog Number	Size AWG/kcmil	No. of Conductors	No. of Strands	Insulation Thickness Mils	Jacket Thickness Mils	Ground Wire Size No.-AWG	Class 1 Div. 2 Connector No.	Rain Tight Connector No.	Armor Diameter Inch	Overall Diameter Inch	Net Weight Lbs/Mft
HW307 01403	14	3	7	30	50	3-18	424MA02	416MC02	0.44	0.55	165
HW307 01404	14	4	7	30	50	2-16	424MA02	416MC02	0.48	0.59	195
HW307 01405	14	5	7	30	50	1-14	424MA02	416MC03	0.58	0.68	233
HW307 01407	14	7	7	30	50	1-14	424MA02	416MC03	0.62	0.72	272
HW307 01409	14	9	7	30	50	1-14	424MA03	416MC04	0.7	0.8	331
HW307 01412	14	12	7	30	50	1-14	424MA03	416MC04	0.78	0.88	395
HW307 01419	14	19	7	30	50	1-14	424MA04	416MC05	0.92	1.02	551
HW307 01437	14	37	7	30	50	1-14	424MA05	416MC06	1.19	1.3	934
HW307 01203	12	3	7	30	50	3-16	424MA02	416MC03	0.48	0.59	223
HW307 01204	12	4	7	30	50	3-16	424MA02	416MC03	0.54	0.65	252
HW307 01205	12	5	7	30	50	1-12	424MA02	416MC03	0.62	0.72	294
HW307 01207	12	7	7	30	50	1-12	424MA03	416MC04	0.7	0.8	357
HW307 01209	12	9	7	30	50	1-12	424MA03	416MC04	0.84	0.94	448
HW307 01212	12	12	7	30	50	1-12	424MA04	416MC05	0.88	0.98	528
HW307 01219	12	19	7	30	50	1-12	424MA04	416MC05	1.07	1.17	755
HW307 01237	12	37	7	30	50	1-12	424MA05	416MC06	1.33	1.43	1293
HW307 01003	10	3	7	30	50	3-14	424MA02	416MC03	0.58	0.69	290
HW307 01004	10	4	7	30	50	3-14	424MA02	416MC03	0.62	0.73	335
HW307 01009	10	9	7	30	50	1-10	424MA04	416MC05	0.92	1.02	482
HW307 00803	8	3	7	45	50	3-14	424MA03	416MC04	0.7	0.81	385
HW307 00804	8	4	7	45	50	2-12	424MA03	416MC04	0.78	0.89	480
HW307 00603	6	3	7	45	50	3-12	424MA03	416MC04	0.78	0.89	550
HW307 00604	6	4	7	45	50	2-10	424MA04	416MC04	0.88	0.99	660
HW307 00403	4	3	7	45	50	3-12	424MA04	416MC05	0.92	1.03	720

HW307 00404	4	4	7	45	50	2-10	424MA04	416MC05	1.07	1.18	915
HW307 00203	2	3	7	45	50	3-10	424MA05	416MC05	1.13	1.24	1035
HW307 00204	2	4	7	45	50	2-8	424MA05	416MC06	1.19	1.3	1436
HW307 10103	1/0	3	19	55	50	3-10	424MA05	416MC06	1.33	1.44	1500
HW307 10104	1/0	4	19	55	50	1-6	424MA06	416MC07	1.46	1.57	1955
HW307 20103	2/0	3	19	55	50	3-10	424MA06	416MC07	1.46	1.57	1860
HW307 20104	2/0	4	19	55	60	1-6	424MA06	416MC08	1.64	1.77	2410
HW307 30104	3/0	4	19	55	60	1-4	424MA06	416MC08	1.71	1.84	2970
HW307 30131	3/0	3	19	55	60	3-8	424MA06	416MC08	1.56	1.69	2310
HW307 40103	4/0	3	19	55	60	3-8	424MA06	416MC08	1.71	1.84	2790
HW307 40104	4/0	4	19	55	60	1-4	424MA07	416MC08	1.87	2	3560
HW307 25003	250	3	37	65	60	3-8	424MA07	416MC08	1.87	2	3245
HW307 25004	250	4	37	65	60	1-4	424MA08	416MC09	2.12	2.25	4170
HW307 35003	350	3	37	65	60	3-7	424MA08	416MC09	2.12	2.25	4340
HW307 35004	350	4	37	65	75	1-3	424MA08	416MC09	2.35	2.51	5670
HW307 50003	500	3	37	65	75	3-6	424MA08	416MC09	2.41	2.57	6020
HW307 50004	500	4	37	65	75	1-2	424MA09	416MC09	2.71	2.87	7780
HW307 75003	750	3	61	80	85	3-5	424MA10	416MC10	3.03	3.21	8860

Application:

For use in harsh environments where maximum conductor protection is required. Impervious armor prevents the entrance of water, gas and corrosive elements into the electrical core. Used for power, control and lighting circuits in a broad range of commercial and industrial pulp and paper, mining, and petroleum applications. Approved for use in wet or dry locations at 90°C, installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 600 volts. UL listed, Type MC-HL per UL Standard 2225 for use in Class I, Division I hazardous locations. UL approved for use at 90°C for continuous operation, 130°C for emergency overload conditions, and 250°C for short circuit conditions. Impervious continuously welded and corrugated aluminum armor cable is recommended as an economical alternative to wire in conduit systems.

Conductors:

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 (compressed) or ASTM B-496 (compact).

Insulation:

Cross-linked polyethylene (XLP) per ICEA S-95-658 and UL Standard 44 for Type XHHW-2 conductors.

Grounding Conductor:

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 sized in accordance with NEC requirements.

Armor:

Impervious continuously welded and corrugated aluminum.

Jacket:

Black flame-retardant and sunlight-resistant PVC.

Flame Tests:

- UL 1581 70,000 BTU/hr flame test
- ICEA 70,000 BTU/hr and 210,000 BTU/hr flame test
- IEEE 383 70,000 BTU/hr flame test

Color Code:

- 14 AWG - 10 AWG: ICEA Method 1, Table E-2
- 8 AWG - 750 kcmil: ICEA Method 4

Additional Standards:

- UL listed Type CWCMC to IEEE 45/IEEE 1580 (46 CFR Part 111.60-23) Marine Shipboard Cable.
- Meets requirements of CSA-C22.2 No. 0.3, -40°C cold impact test.

Connectors:

- Explosion Proof, Class I Division 1: 424MA series ♦ all nickel-plated aluminum
- Rain Tight: 416MC series ♦ all nickel-plated brass

All data subject to change without notice