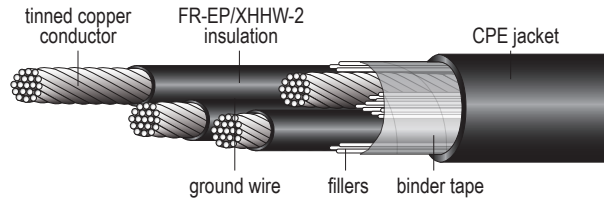


SPECIFICATION
HW159

TRAY CABLE - POWER CABLE

600 Volt UL Type TC-ER*, 90°C
FR-EP XHHW-2 Insulation, VW-1
CPE Jacket
Tinned Copper Conductors



Catalog Number	Size AWG/kcmil	Number of Conductors	Number of Strands	Insulation Thickness Mils	Ground Wire Size AWG	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW159 01203	12 [^]	3	7	30	12	45	0.44	118
HW159 01003	10 [^]	3	7	30	10	60	0.49	237
HW159 00803	8	3	7	45	10	60	0.66	359
HW159 00804	8	4	7	45	10	60	0.72	439
HW159 00603	6	3	7	45	8	60	0.74	513
HW159 00604	6	4	7	45	8	60	0.81	627
HW159 00403	4	3	7	45	8	80	0.88	721
HW159 00404	4	4	7	45	8	80	0.97	897
HW159 00203	2	3	7	45	6	80	1.01	1063
HW159 00204	2	4	7	45	6	80	1.11	1324
HW159 00104	1	4	19	55	6	80	1.13	1190

APPLICATION:

Superior flame-retardant cable for use in caustic environments in power, control and lighting circuits in a broad range of commercial and industrial applications. Approved for use in wet or dry locations at 90°C, for installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 600 volts. May be installed at temperatures as low as -35°C and used in NEC Class I and II, Division 2 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. Exposed Run (ER) rating available upon request.

CONDUCTORS:

Tin-coated, soft annealed copper per ASTM B-33, Class B stranding per ASTM B-8

INSULATION:

Flame-retardant ethylene-propylene-rubber (FR-EP) per ICEA S-95-658 and UL Standard 44 for Type XHHW-2, VW-1 conductors

GROUNDING CONDUCTOR:

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 sized in accordance with UL Standard 1277

JACKET:

Sunlight-resistant chlorinated polyethylene (CPE) per ICEA S-95-658 and UL Standard 1277

FLAME TESTS:

- IEEE 383 (70,000 BTU/hr) Flame Test
- IEEE 1202 (70,000 BTU/hr) CSA FT4 Flame Test
- UL Standard 1277 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Flame Test
- Individual conductors pass the UL VW-1 Flame Test

COLOR CODE:

ICEA Method 4
^AWG 12-10 ICEA Method 1, Table E-2

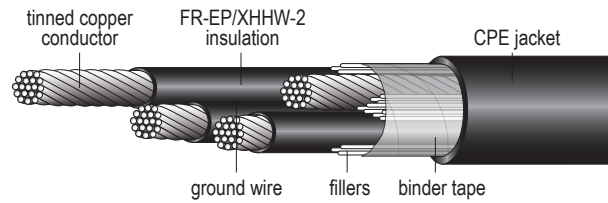
ADDITIONAL STANDARDS:

- UL Type TC per Article 336 of the NEC
- NEMA WC 70
- ICEA S-73-552

*TC-ER rating applies to cables with 3 or more insulated conductors

TRAY CABLE - POWER CABLE

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FR-EP XHHW-2 Insulation, VW-1
CPE Jacket
Tinned Copper Conductors**



Catalog Number	Size AWG/kcmil	Number of Conductors	Number of Strands	Insulation Thickness Mils	Ground Wire Size AWG	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW159 10103	1/0	3	19	55	6	80	1.23	1528
HW159 10104	1/0	4	19	55	6	80	1.34	1934
HW159 20103	2/0	3	19	55	6	80	1.32	1830
HW159 20104	2/0	4	19	55	4	80	1.46	2332
HW159 30103	3/0	3	19	55	4	80	1.43	2500
HW159 30104	3/0	4	19	55	4	80	1.60	2868
HW159 40103	4/0	3	19	55	4	80	1.56	2763
HW159 40104	4/0	4	19	55	4	110	1.79	3630
HW159 25003	250	3	37	65	4	110	1.78	3296
HW159 25004	250	4	37	65	4	110	1.96	4210
HW159 35003	350	3	37	65	3	110	2.00	3643
HW159 35004	350	4	37	65	3	110	2.21	4743
HW159 50003	500	3	37	65	3	110	2.29	6116
HW159 50004	500	4	37	65	2	110	2.54	7881
HW159 75003	750	3	61	80	1	140	2.81	9101

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COLOR CODE:

ICEA Method 4

ADDITIONAL STANDARDS:

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- NEMA WC 70
- ICEA S-73-552

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