

FIVE CONDUCTOR POWER CABLE

**0.6/1kV Unarmored 110°C
Gexol® Insulation
Made in the USA**



Catalog Number	Size AWG	mm ²	Nominal Diameter (inches)	Weight (lbs/Mft.)	DC Resistance at 25° C (Ohms/1000 ft.)	AC Resistance at 110°C, 60 Hz (Ohms/1000 ft.)	Inductive Reactance (Ohms/1000 ft.)	Voltage Drop at 110°C (Volts/Amp/1000 ft.)	Ampacity		
									110°C	100°C	95°C
HW273 01805	18	1.0	0.418	95	7.350	9.763	0.044	13.558	11	10	11
HW273 01605	16	1.3	0.437	110	4.610	6.121	0.042	8.514	14	13	13
HW273 01405	14	2.1	0.479	149	2.907	3.859	0.039	5.382	21	20	18
HW273 01205	12	3.3	0.550	196	1.826	2.424	0.037	3.393	27	25	22
HW273 01005	10	5.2	0.604	296	1.153	1.530	0.035	2.154	358	33	29
HW273 00805	8	7.6	0.765	453	0.708	0.940	0.037	1.339	45	42	38
HW273 00605	6	12.5	0.914	653	0.445	0.590	0.035	0.853	60	56	51
HW273 00405	4	21	1.137	1073	0.300	0.399	0.032	0.585	79	74	68
HW273 00205	2	34	1.315	1361	0.184	0.244	0.030	0.369	105	98	90
HW273 00105	1	43	1.470	2130	0.147	0.195	0.031	0.302	122	114	105
HW273 10105	1/0	54	1.618	2550	0.117	0.156	0.030	0.248	140	131	122
HW273 20105	2/0	70	1.802	2954	0.093	0.125	0.030	0.203	161	150	140
HW273 40105	4/0	109	2.167	3615	0.058	0.080	0.029	0.140	216	202	188

* Cable diameters shown as nominal are subject to a ±5% manufacturing tolerance.

See page 5 for Stranding Profile and Hawke Gland Info

APPLICATION:

Designed and constructed for the demanding environments of offshore drilling and petroleum facilities located throughout the world.

CONDUCTOR:

Soft annealed flexible stranded tinned copper per IEEE 1580 Table 11.

INSULATION:

Flame Retardant Cross-linked Polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA C22.2 No. 245. *Color Code:* Black-White-Red-Green-Orange. *Sizes 1/0 and Larger:* Black with Phase ID Imprint.

JACKET:

Black, arctic grade, flame retardant, oil, abrasion, chemical and sunlight resistant thermosetting compound meeting UL 1309/CSA C22.2 No. 245 and IEEE 1580.

FEATURES:

- High strand count conductors make this product extremely flexible, easier to install and more resistant to vibration than Type MC, IEC spec or commercial cables.
- Lower dielectric constant and higher insulation resistance reduces electrical losses.
- Excellent resistance to moisture produces stable electrical properties throughout the life of the cable.
- In fire conditions, non chlorinated flame retardant system produces less toxic and less corrosive gasses.
- Dual certified IEEE 1580 Type P and UL 1309/CSA C22.2 No. 245 Type X110.
- Highest ampacity ratings: ABS 100°C, DNV 95°C, LRS 95°C, Transport Canada 95°C
- Severe cold durability: exceeds CSA cold bend/cold impact (-40/-35° C)
- Flame retardant: IEC 60332-3 Category A and IEEE 1202

RATINGS & APPROVALS:

- American Bureau of Shipping (ABS)
- Transport Canada
- Det Norske Veritas (DNV)
- Lloyd's Register of Shipping (LRS)
- NVE 95/1696, FAL
- UL listed as Marine Shipboard Cable
- United States Coast Guard
- CSA listed as Marine Shipboard Cable

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MADE IN AMERICA