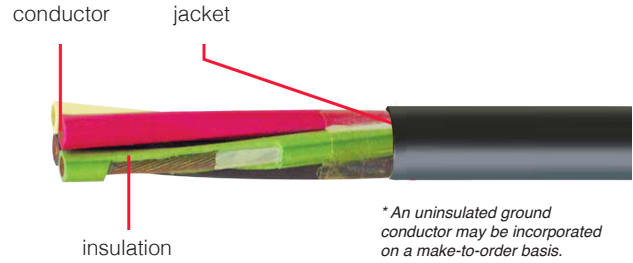


SPECIFICATION
HW270

**FOUR CONDUCTOR
POWER CABLE**

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



Catalog Number	Size AWG/kcmil	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.)	Opt. Uninsulated Grounding Cond. Size AWG	Ampacity		
										110°C	100°C	95°C
HW270 01604	16	1.3	0.402	99	4.610	6.121	0.042	8.514	-	17	16	16
HW270 01404	14	2.1	0.438	126	2.907	3.859	0.039	5.382	-	27	25	22
HW270 01204	12	3.3	0.486	168	1.826	2.424	0.037	3.393	-	33	31	27
HW270 01004	10	5.2	0.553	243	1.153	1.530	0.035	2.154	-	44	41	36
HW270 00804	8	7.6	0.698	355	0.708	0.940	0.037	1.339	-	56	52	48
HW270 00604	6	12.5	0.794	533	0.445	0.590	0.035	0.853	8	75	70	64
HW270 00404	4	21	1.035	879	0.300	0.399	0.032	0.585	8	99	82	85
HW270 00204	2	34	1.194	1120	0.184	0.244	0.030	0.369	6	131	122	113
HW270 00104	1	43	1.332	1602	0.147	0.195	0.031	0.302	6	153	143	131
HW270 10104	1/0	54	1.465	1907	0.117	0.156	0.030	0.248	6	176	164	152
HW270 20104	2/0	70	1.573	2535	0.093	0.125	0.030	0.203	6	201	188	175
HW270 30104	3/0	86	1.754	3206	0.074	0.100	0.029	0.168	4	234	218	202
HW270 40104	4/0	109	1.964	3765	0.058	0.080	0.029	0.140	4	270	252	235
HW270 26204	262	132	2.205	4625	0.048	0.067	0.029	0.122	3	315	294	267
HW270 31304	313	159	2.374	5537	0.040	0.056	0.028	0.107	3	344	321	299
HW270 37304	373	189	2.495	6462	0.034	0.047	0.028	0.095	3	387	361	334
HW270 44404	444	227	2.653	7560	0.028	0.041	0.028	0.086	2	440	411	372
HW270 53504	535	273	2.989	9284	0.024	0.035	0.028	0.077	2	463	443	418
HW270 64604	646	326	3.277	10571	0.020	0.030	0.029	0.071	1	553	516	470

* 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.

- UL listed as Marine Shipboard Cable
- United States Coast Guard
- CSA listed as Marine Shipboard Cable

CONDUCTOR:

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

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

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. *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.

RATINGS & APPROVALS:

- American Bureau of Shipping (ABS)
- Transport Canada
- Det Norske Veritas (DNV)
- Lloyd's Register of Shipping (LRS)
- NVE 95/1696, FAL

