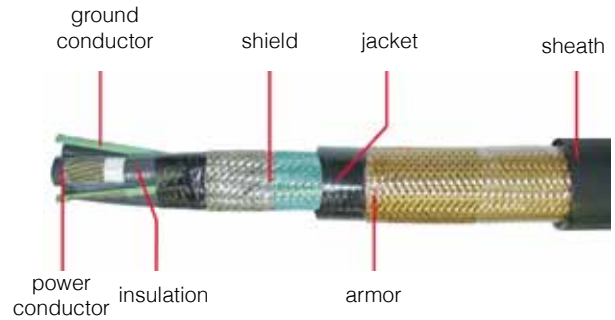


**SPECIFICATION
HW287**

**STANDARD VFD
POWER CABLE**

**2kV Armored & Sheathed 110°C
Gexol® Insulation
Three Conductor
Made in the USA**



Catalog Number	Size AWG/kcmil	Nominal Diameter (inches)	Weight (lbs/Mft.)	Green Insulated Grounding Conductor (x3) Size (AWG)	Ampacity			
					110°C	100°C	90° C	75° C
HW287 01403	14	0.630	349	18	27	25	24	20
HW287 01203	12	0.795	383	18	33	31	29	24
HW287 01003	10	0.918	518	14	44	41	38	32
HW287 00803	8	0.973	616	14	56	52	48	41
HW287 00603	6	1.098	832	12	75	70	65	54
HW287 00403	4	1.262	1128	12	99	92	83	70
HW287 00203	2	1.393	1512	10	131	122	111	93
HW287 00103	1	1.580	1836	10	153	143	131	110
HW287 10103	1/0	1.615	2137	10	176	164	150	126
HW287 20103	2/0	1.792	2660	10	201	188	173	145
HW287 40103	4/0	2.101	3864	8	270	252	232	194
HW287 26203	262	2.258	4661	6	315	294	273	228
HW287 31303	313	2.354	5288	6	344	321	298	249
HW287 37303	373	2.483	6052	6	387	361	332	277
HW287 44403	444	2.633	6994	6	440	411	382	319
HW287 53503	535	2.931	8478	6	498	443	407	340
HW287 64603	646	3.178	9888	4	553	516	474	396
HW287 77703	777	3.390	11803	4	602	562	516	431

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

See page 5 for Stranding Profile and Hawke Gland Info

VFD Cable Ampacity Ratings				
<p>110°C Ratings</p> <p>Based on IEEE 45 with a 45°C ambient and arranged in a single bank per hanger. For those instances where cable must be double banked, the 110°C ampacities should be multiplied by 0.8.</p>	<p>100°C Ratings</p> <p>Based on IEEE 45 with a 45°C ambient and arranged in a single bank per hanger. For those instances where cable must be double banked, the 100°C ampacities should be multiplied by 0.8.</p>	<p>95°C Ratings</p> <p>Based on 4-3-4/Table 10 of the 2006 ABS MODU rules and a 45°C ambient.</p>	<p>90°C Ratings</p> <p>Based on IECA Table H-1 for a single isolated cable in air with a 40°C ambient. This ampacity is typically used for mining and other portable applications.</p>	<p>75°C Ratings</p> <p>Based on NEC Table 310.16 for cables in raceway and a 30°C ambient.</p>

STANDARD
VFD

STANDARD VFD POWER CABLE

**2kV Armored & Sheathed 110°C
Gexol® Insulation
Three Conductor
Made in the USA**

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:* Dark gray with printed phase I.D. (Black-White-Red).

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.

ARMOR:

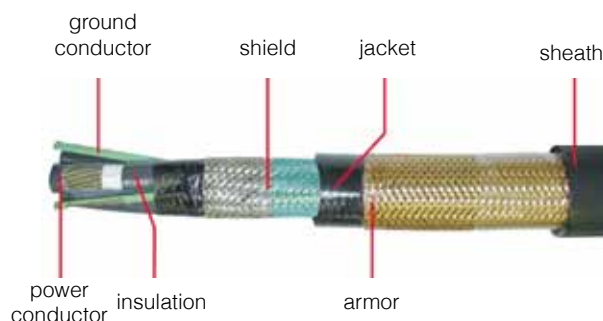
Basket weave wire armor per IEEE 1580 and UL 1309/CSA C22.2 No. 245. Tinned copper standard.

SHEATH:

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

SHIELD:

Tinned copper basket weave wire armor per IEEE 1580 and UL 1309/CSA 245 plus aluminum/polyester tape providing 100% coverage.



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

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
- Suitable for use in Class I, Division 1 and Zone 1 environments.

