

# SPECIFICATION HW285

## GEXOL® VFD POWER CABLE

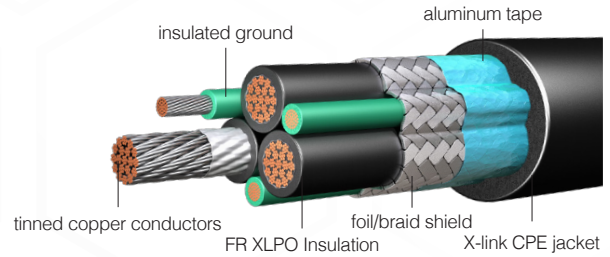
2000V Unarmored UL Type TC-ER, -40°C to 110°C

Foil/Braid Shield

FR XLPO insulation, X-link CPE Jacket

Tinned Copper Conductors

3 Symmetrical Insulated Grounds



VFD POWER CABLE

Catalog Number	Size (AWG/kcmil)	Number of Conductors	Conductor Stranding	Insulation Thickness (inches)	Ground Wire Size (AWG)	Ground Wire Stranding	Jacket Thickness (inches)	Overall Dia. (inches)	Weight (lbs/Mft.)	Non Exp Proof Gland Part No.
HW285 01403	14	3	19	0.045	18 x 3	19	0.060	0.630	194	TC-075NB079
HW285 01203	12	3	19	0.045	18 x 3	19	0.060	0.675	224	TC-075NB079
HW285 01003	10	3	37	0.045	14 x 3	19	0.060	0.750	308	TC-075NB079
HW285 00803	8	3	37	0.055	14 x 3	19	0.060	0.815	463	TC-100NB104
HW285 00603	6	3	61	0.055	12 x 3	19	0.080	0.910	570	TC-100NB104
HW285 00403	4	3	133	0.055	12 x 3	37	0.080	1.100	925	TC-125NB127
HW285 00203	2	3	133	0.055	10 x 3	37	0.080	1.235	1421	TC-125NB127
HW285 00103	1	3	209	0.055	10 x 3	37	0.080	1.341	1517	TC-150NB150
HW285 10103	1/0	3	266	0.065	10 x 3	37	0.080	1.450	1803	TC-150NB150
HW285 20103	2/0	3	342	0.065	8 x 3	37	0.080	1.580	2120	TC-200NB174
HW285 40103	4/0	3	418	0.065	6 x 3	61	0.110	1.900	3416	TC-250NB197
HW285 26203	262	3	532	0.075	6 x 3	61	0.110	2.050	4210	TC-250NB220
HW285 31303	313	3	777	0.075	6 x 3	61	0.110	2.130	5105	TC-250NB220
HW285 37303	373	3	925	0.075	6 x 3	61	0.110	2.275	5521	TC-250NB244
HW285 44403	444	3	1110	0.075	4 x 3	133	0.110	2.425	6440	TC-300NB268
HW285 53503	535	3	1332	0.090	4 x 3	133	0.110	2.643	7547	TC-300NB268
HW285 64603	646	3	1591	0.090	4 x 3	133	0.140	2.920	8916	TC-350NB315
HW285 77703	777	3	1924	0.090	4 x 3	133	0.140	3.102	10,909	TC-400NB354

### APPLICATIONS:

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)

### SHIELD:

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

### GROUNDING CONDUCTOR:

3 soft annealed, flexible stranded, with green Gexol® insulated tinned copper conductors

### 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:

- UL listed as Marine Shipboard Cable
- 1000V UL2277 Type W TTC
- American Bureau of Shipping (ABS)
- Transport Canada
- Det Norske Veritas (DNV)
- Lloyd's Register of Shipping (LRS)
- NVE 95/1696, FAL
- United States Coast Guard
- CSA listed as Marine Shipboard Cable

### OTHER:

- 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
- Bend Radius is 6 x O.D.

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