

# Two Conductor Power Cable Gexol® Insulated

Extremely Flexible • 0.6/1kV • Rated 110°C



OFFICIAL DISTRIBUTOR | STOCK IN ITALY

MADE IN USA



## Application

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

## Features

- High strand count conductors make this product much more flexible, easier to install and more resistant to vibration than Type MC, IEC spec or commercial cables.
- Gexol's lower dielectric constant and higher insulation resistance reduces electrical losses.
- Gexol's excellent resistance to moisture produces stable electrical properties throughout the life of the cable.
- In a fire condition, Gexol's nonchlorinated flame retardant system produces less toxic and less corrosive gases.
- Dual certified IEEE 1580 Type P and UL 1309/CSA 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°C/-35°C).
- Flame retardant: IEC 332-3 Category A and IEEE 1202.
- Suitable for use in Class I, Division 1 and Zone 1 environments (armored and sheathed).
- Optional braid armor of bronze or tinned copper.

## Ratings & Approvals (Other certifications pending)

- 110°C Temperature Rating
- 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 (E111461)
- United States Coast Guard November 2, 1987 / 9304
- CSA listed as Marine Shipboard Cable

Hawke Gland Types	Unarmored	Armored & Sheathed
Industrial & Safe Area (IP68)	121	153-X
Increased Safety "EExe"	501/421	501/453/U
Explosion Proof	710 Class I, Div. 2 Class I, Zone 2	753 Class I, Div. 1 Class I, Zone 1 & 2
Flameproof "EExd"	501/421 Zone 1 & 2	501/453/U (2 liter or < enclosures) ICG 653/U (2 liter or > enclosures) Zone 1 & 2

# Gexol® Flexible Power Cable – Two Conductor

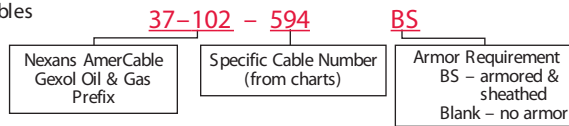
Size AWG/ kcmil	mm2	Part No. 37-102	Unarmored		Armored (B)		Armored and Sheath (BS)		DC Resistance at 25°C (Ohms/ 1000 ft.)	AC Resistance 110°C, 60 Hz (Ohms/ 1000 ft.)	Inductive Reactance (Ohms / 1000 ft.)	Voltage Drop 110°C (Volts/Amp/ 1000 ft.)	Ampacity		
			Nominal Diameter (inches)	Weight (lbs/ Mft.)	Nominal Diameter (inches)	Weight (lbs/ Mft.)	Nominal Diameter (inches)	Weight (lbs/ Mft.)					110°C	100°C	95°C
16	1.3	-501	0.349	89	0.399	122	0.540	227	4.610	6.121	0.039	8.511	20	19	20
14	2.1	-507	0.380	84	0.430	145	0.561	204	2.907	3.859	0.036	5.379	33	31	27
12	3.3	-515	0.450	111	0.500	178	0.630	241	1.826	2.424	0.034	3.390	43	40	32
10	5.2	-553	0.460	146	0.510	254	0.671	287	1.153	1.530	0.032	2.151	53	49	43
8	7.6	-209	0.610	262	0.660	263	0.785	463	0.708	0.940	0.034	1.336	69	64	58
6	12.5	-210	0.680	361	0.730	439	0.895	629	0.445	0.590	0.032	0.850	91	85	77
4	21	-594	0.885	603	0.935	697	1.120	927	0.300	0.399	0.029	0.582	118	110	103
1/0	54	-216	1.243	1199	1.293	1397	1.475	1714	0.117	0.156	0.028	0.245	213	199	184
4/0	109	-219	1.560	2379	1.645	2377	1.877	3065	0.059	0.080	0.026	0.138	329	307	285

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

### Ordering Gexol Oil & Gas Cables

Example:

- 2 conductor power cable
- 0.6/1kV
- #4 AWG
- bronze armored & sheathed



See page 29 for  
Stranding Profile

