

# Multi-Conductor Control Cable Gexol® Insulated

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



OFFICIAL DISTRIBUTOR | STOCK IN ITALY

MADE IN USA

### Conductors

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

### Jacket

A black, arctic grade, flame retardant, oil, abrasion, chemical and sunlight resistant thermosetting compound meeting UL 1309/CSA 245 and IEEE 1580. Color code: IEEE 1580 Table 22

### Sheath (Optional)

A black, arctic grade, flame retardant, oil, abrasion, chemical and sunlight resistant thermosetting compound meeting UL 1309/CSA 245 and IEEE 1580. Color code: IEEE 1580 Table 22



### Insulation

GEXOL® cross-linked, flame retardant polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA 245.

Colored singles through 37/C. Black ink printed singles above 37/C.

### Armor (Optional)

Basket weave wire armor per IEEE 1580 and UL 1309/CSA 245. Bronze standard. Tinned copper available by request.

### 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 Control Cable – Multi-Conductor

Size AWG	Number of Conductors*	Part No. 37-102	Unarmored		Armored (B)		Armored and Sheath (BS)		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	4	-529	0.433	97	0.483	160	0.620	222
16	5	-559	0.469	117	0.519	186	0.640	252	14	13	13
16	7	-505	0.515	147	0.565	306	0.678	376	12	11	11
16	8	-503	0.581	202	0.631	289	0.763	372	12	11	11
16	10	-504	0.635	251	0.685	322	0.880	465	9	8	11
16	16	-546	0.720	333	0.770	441	0.960	620	9	8	11
16	20	-687	0.786	382	0.836	514	1.010	682	9	8	11
16	24	-525	0.900	549	0.950	646	1.155	900	8	7	11
16	37	-526	1.048	731	1.105	869	1.280	1125	6	6	8
16	44	-577	1.175	947	1.225	1133	1.400	1177	6	6	8
16	60	-527	1.262	1117	1.312	1315	1.485	1575	6	6	8
16	91	-581	1.550	1612	1.600	1876	1.830	2302	6	6	8
14	4	-509	0.438	126	0.488	196	0.650	262	27	25	22
14	5	-510	0.479	153	0.529	229	0.690	306	21	20	18
14	6	-511	0.561	200	0.611	287	0.730	434	21	20	18
14	7	-521	0.551	223	0.601	296	0.735	414	19	18	15
14	10	-512	0.690	327	0.740	403	0.900	599	14	13	15
14	12	-585	0.714	356	0.764	449	0.960	637	14	13	15
14	14	-523	0.760	417	0.810	549	0.980	709	14	13	15
14	20	-513	0.935	598	0.985	708	1.160	958	14	13	15
14	24	-571	1.025	721	1.075	829	1.245	1026	12	11	15
14	30	-573	1.075	779	1.125	955	1.310	1179	12	11	13
14	37	-514	1.153	969	1.203	1120	1.398	1405	11	10	13
14	44	-574	1.271	1089	1.321	1293	1.500	1502	10	9	11
14	91	-582	1.772	2424	1.822	2723	2.089	3168	10	9	11
12	4	-517	0.516	201	0.566	247	0.668	319	33	31	27
12	5	-560	0.561	226	0.611	315	0.743	421	27	25	22
12	6	-547	0.611	282	0.661	397	0.814	491	27	25	22
12	10	-518	0.770	434	0.820	509	1.016	732	17	16	19
12	20	-519	1.020	805	1.070	942	1.259	1194	17	16	19
12	24	-572	1.135	1033	1.185	1162	1.360	1352	15	14	19
12	37	-520	1.293	1270	1.343	1481	1.550	1809	13	12	16

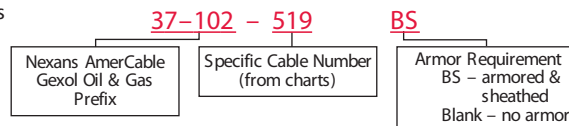
\* Colored singles through 37/C. Black ink printed singles above 37/C.

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

### Ordering Gexol Oil & Gas Cables

Example:

- Multi-Conductor control cable
- 0.6/1kV
- #12 AWG
- bronze armored & sheathed



See page 29 for Stranding Profile

GEXOL® is a registered trademark of AmerCable Incorporated.