

37-104 Gexol®-331HF Fire Resistant Multi-Conductor Control Cable Low Smoke Halogen-Free

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

Conductors

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

Jacket

A black low smoke Halogen-Free flame retardant polyolefin, meeting IEEE 1580 and UL 1309/CSA 245.

Sheath (Optional) Jacket

A black low smoke Halogen-Free flame retardant polyolefin, meeting IEEE 1580 and UL 1309/CSA 245.



Insulation

Fire resistant tape + GEXOL®-HF low smoke Halogen-Free flame retardant cross-linked polyolefin, meeting the requirements for Type LSX of IEEE 1580 and Type X110 of UL 1309/CSA 245.

Color code:

ICEA K-1, Method 1.
For less than minimum order quantities, Method 3 may be used.

Armor (Optional)

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

Application

Designed and constructed for the demanding environments of offshore drilling and petroleum facilities located throughout the world. Primarily used on critical circuits that must continue to function even in a fire condition. This product should be used on any circuit dedicated to emergency lighting, fire detection/suppression, alarms and personnel egress.

Features

- Fire resistant: IEC 60331.
- Flame retardant; IEC 332-3 Category A and IEEE 1202.
- Low smoke and Halogen-Free.
- High strand count conductors make this product more flexible and easier to install than IEC 60092-350 Series cables.
- Higher temperature rating results in higher ampacity ratings.
- Severe cold durability: exceeds CSA cold bend/cold impact (-40°C/-35°C).
- Suitable for use in Class I, Division 1 and Zone 1 environments (armored and sheathed).
- Optional braid armor of bronze, aluminum or tinned copper.

Ratings & Approvals

- 110°C Temperature Rating
- American Bureau of Shipping (ABS) 99-BT5905-X
- UL Listed as Marine Shipboard Cable (E111461)
- Transport Canada (pending)
- Det Norske Veritas (DNV) (pending)
- Lloyd's Register of Shipping (LRS) (pending)

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

Flexible Control Cable – Multi-Conductor

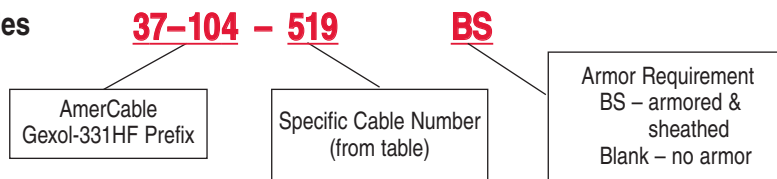
Size AWG	mm ²	Number of Conductors	Part No. 37-104	Unarmored		Armored (B)		Armored and Sheath (BS)		Ampacity		
				Nominal Diameter (inches)	Weight (lbs/MFt.)	Nominal Diameter (inches)	Weight (lbs/MFt.)	Nominal Diameter (inches)	Weight (lbs/MFt.)	110°C	100°C	95°C
				16	1.3	4	-529	0.429	119	0.529	185	0.668
16	1.3	5	-559	0.518	132	0.568	227	0.709	317	14	13	13
16	1.3	7	-505	0.562	186	0.612	306	0.751	396	12	11	11
16	1.3	8	-503	0.605	197	0.655	318	0.794	408	12	11	11
16	1.3	10	-504	0.719	247	0.769	439	0.950	534	9	8	11
16	1.3	16	-546	0.821	359	0.871	558	1.052	722	9	8	11
16	1.3	20	-687	0.908	432	0.958	672	1.139	869	9	8	11
16	1.3	24	-525	1.051	554	1.101	862	1.282	971	8	7	11
16	1.3	37	-526	1.196	790	1.246	983	1.427	1187	6	6	8
16	1.3	44	-577	1.341	968	1.391	1176	1.572	1410	6	6	8
16	1.3	60	-527	1.486	1264	1.536	1507	1.780	1795	6	6	8
16	1.3	91	-581	1.776	1914	1.826	2275	2.069	2617	6	6	8
14	2.1	4	-509	0.515	154	0.565	256	0.704	330	27	25	22
14	2.1	5	-510	0.560	179	0.610	281	0.749	361	21	20	18
14	2.1	6	-511	0.628	218	0.678	317	0.817	402	21	20	18
14	2.1	7	-521	0.628	251	0.678	349	0.817	453	19	18	15
14	2.1	10	-512	0.779	336	0.829	487	1.010	618	14	13	15
14	2.1	12	-585	0.804	368	0.854	514	1.035	670	14	13	15
14	2.1	14	-523	0.870	572	0.920	709	1.102	893	14	13	15
14	2.1	20	-513	1.030	672	1.080	974	1.261	1051	14	13	15
14	2.1	24	-571	1.141	738	1.191	1070	1.372	1358	12	11	15
14	2.1	30	-573	1.207	936	1.257	1158	1.438	1416	12	11	13
14	2.1	37	-514	1.301	1051	1.351	1362	1.532	1686	11	10	13
14	2.1	44	-574	1.461	1304	1.511	1512	1.754	1772	10	9	11
14	2.1	91	-582	2.003	2640	2.053	2958	2.296	3426	10	9	11
12	3.3	4	-517	0.571	192	0.621	292	0.761	368	33	31	27
12	3.3	5	-560	0.612	235	0.662	319	0.814	401	27	25	22
12	3.3	6	-547	0.679	336	0.729	486	0.910	600	27	25	22
12	3.3	10	-518	0.859	443	0.909	600	1.090	755	17	16	19
12	3.3	20	-519	1.136	841	1.186	1068	1.367	1266	17	16	19
12	3.3	24	-572	1.261	1033	1.311	1400	1.492	1762	15	14	19
12	3.3	37	-520	1.441	1514	1.491	1760	1.672	2012	13	12	16

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

Ordering Gexol-331HF Cables

Example:

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



GEXOL® is a registered trademark of
AmerCable Incorporated