



Offshore Marine Cable Specialists AmerCable Systems



Harsh

Environment

Cable Solutions

Gexol-331 HF

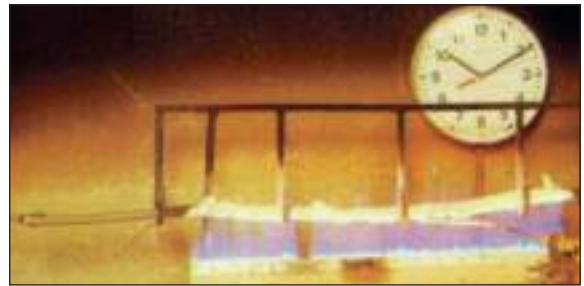
- 100°C Halogen-Free
- IEC 331 at 1000°C
- IEC 332-3 Cat. A/F
- IEEE Std. 45

During a fire it is vital that emergency circuits continue to function. This could be communication circuits, emergency lights, alarms and fire pumps, etc. On ships, oil rigs and platforms and other confined areas, this could be a matter of life and death.

Today, more attention is being focused on the fire performance of electrical cables with particular emphasis on reduced combustion emissions. Smoke, with its toxic and corrosive effects, is becoming more clearly recognized as the real culprit in fire fatalities. And there is increasing concern about smoke evolution in confined spaces or areas of limited egress.

AmerCable has developed a low smoke halogen-free marine cable product with many of the same high performance features as its Gexol-125 product but also meets the demanding IEC 331 flame test (see ABS MODU Rules Section 4/3C7.1.3 and Steel Vessel Rules Section 4/5C7.1.3). This test involves burning the cable with a 1000°C flame for 3 hours while the cable is energized at rated voltage. Circuit integrity must be maintained for the duration of the test.

Gexol-331HF is much more flexible than typical IEC 92-3 (note: it is the intention of IEC to obsolete 92-3 in the very near future) or 92-350 Series constructions and has a 100°C rating rather than the standard IEC 85°C rating. Greater flexibility allows easy installation and the higher temperature rating allows the use of smaller conductors to carry the same amperage.



Gexol-331HF is available in all of the same sizes and constructions as our standard Gexol-125 product with optional tinned copper or bronze braid armor and sheath over armor. Gexol-331HF can also be made with metric sized conductors.

IEC 331 Test at 1000°C



Gexol-331HF



PVC



The Global Cable Solutions Company

10633 W. Little York, Bldg. 1 • Suite 100 • Houston, Texas 77041
 Fax (713) 849-9009 • (713) 896-5800 • (800) 506-9473 • e-mail: marine@amercable.com • www.amercable.com