

RISE[®] MULTI-CABLE PENETRATIONS

*only two different components for a
RISE[®] cable penetration*

- 1) FRR/LEHF rubber insert sleeves
- 2) FIWA[®] sealant



FIWA[®] is a fire-resistant sealant based on a single component silicone compound.

FIWA[®] is also water-repellent
High bonding strength
UV and Ozone resistant

In the event of fire or at temperatures in excess of 200 °C (400 °F) the sealant expands to about 10 times its original volume. During this process a porous mass is formed, which has excellent thermal insulation properties. In contrast to conventional materials that swell under severe heat exposure, the expansion of FIWA[®] sealant is not caused by intumescence, but by a chemical process (Intumescence means the occurrence of volume enlargement under the effect of heat, caused by the surface structure being inflated by fumes originating from the product).

The advantage of this is that the expansion of FIWA[®] is not accompanied by formation of large amounts of fumes.

*optimum combination of viscosity, flow and
bonding capacity of FIWA[®] sealant*

PRODUCT INFORMATION

01) colour	dark grey
02) specific gravity	1.26 ± 0.03 g/cm ³
03) curing of top layer	1 - 2 hours
04) service temperature	-40 °C up to +160 °C
05) tensile strength	0.80 MPa
06) elongation at break	80%
07) hardness	40 Shore A
08) elasticity	approx. 25%
09) fire class	IMO Res. A.653(16)
10) ageing	up to 50 years service life
11) supplied in	cartridges, containing 310 ml
12) storage	to be stored cool and dry min/max temperature = +5/+30° C
13) storage life	approx. 6 months



**FIWA is absolutely
HALOGEN FREE**
**(tested according to
Naval Engineering
Standard NES 713:
Issue 3).**

**Furthermore FIWA has
a low smoke index
(NES 711: Issue 2:
1981) and a high
oxygen index (ISO
4589-2: 1996),**

**and low flame spread
characteristics
according to IMO
Resolution A.653(16).**

