

CABLE HARNESS

FOR HERMETIC GROUP



**CUSTOMIZED
HIGH RELIABILITY
READY-TO-USE SOLUTION
HIGH PERFORMANCES**

- ▶ *Excellent resistance to refrigerant gases & oils*
- ▶ *Excellent chemical purity*
- ▶ *Excellent mechanical*

A complete solution for hermetically sealed motors meeting the needs and high level requirements of our customers.

omerin
division Berne

www.omerin.com

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► TECHNICAL EXPERTISE

Based on our **SILICABLE® GHR and Style 5170** lead wires for hermetic groups, our technical teams make up complete harness.

Our Design Office is made up of experienced engineers who are specialists in metallurgy, plastics manufacture, electromagnetic compatibility, micromechanics, etc. They will provide a fast and precise response by developing a dedicated solution meeting the miscellaneous and complex constraints of your applications.

► HIGH PERFORMANCE & RELIABILITY

Lead wires are cut, crimped, assembled with components (*terminals, cluster blocks, sleeves and tubes*) in our workshops to ensure optimum mechanical and electrical termination system meeting our customers specifications. We thus offer a full, tested (*voltage drop, tensile strength, tear strength, etc.*), **ready-to-use solution**.

Advantages of our complete harness for hermetic group is manufactured:

- Excellent resistance to refrigerant gases and oils,
- Excellent mechanical strength (vibration, abrasion and alternate bending),
- Excellent chemical purity.

► CUSTOMISED & VERSATILE SOLUTION

Lead Wires

In Polyester
Three Layers of insulation
-30°C to +125°C, 600 V

Mechanical protections

High temperature Braided Sleeves
+130°C Polyester with or without impregnation
or Tubes PTFE, FEP, Silicone, Polyester

Cluster Blocks

Optimum mechanical and electrical termination system
Different shapes

Terminals

Double crimping
Different shapes & materials

Brass tin plated
Brass nickel plated
Options:
Phosphor Bronze tin plated
Bronze tin plated

Please contact our sales engineers to define the product best suited to your applications

► SAMPLES CONFIGURATION



1 Harness composed of lead wires with specific coloured spiral stripes



2 Harness made with specific cluster block



3 Harness protected by polyester tube



4 Harness protected by polyester braided sleeve



5 Complex harness composed of hybrid cross sections of wires, FEP tubes, specific terminals and cluster block.

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