

Design

Wire

Stranded bare copper wire (12 AWG)
Insulation of Polypropylene (PP)

∅ 2.9 mm (0.114 in dia)
∅ 4.4 mm (0.173 in dia)

Core

3 wires WH-GY-BK
+ fillers
Plastic tape overlapped
Shield braiding of bare copper wires
Coverage about 90%

Jacket

Thermoplastic copolymer (FRNC) BK

∅ (12.7 ±0.5) mm (0.500 ±0.020 in dia)

| Printing: "sequential length in metres" * BizLink **SeaLine** SCG * LI9YCH 3X1X4.0 0.6/1kV * "internal lot number"

Electrical data at 20°C

| | | | |
|---|---|------|---------|
| Conductor resistance | ≤ | 5 | Ohm/km |
| Insulation resistance | ≥ | 10 | MOhm*km |
| Operating voltage (peak) | ≤ | 1000 | V |
| Test voltage (wire/wire/screen rms 50Hz 1min) | | 1500 | V |

Mechanical and thermal characteristics

Conductor/Screen material acc. to DIN EN 13602 Cu-ETP-A...
Insulating material acc. to DIN EN 50290-2-25, compound type full PP, table 4 part 1-5
Jacket material acc. to IEC 60092-360 (IEC 60092-359) SHF1
Flame retardant acc. to IEC 60332-3-22 (Cat. A)
Flame retardant acc. to IEC 60332-1-2

Other characteristics

RoHS compliant (Directive 2011/65/EU & 2015/863/EU RoHS 3)
Halogen-free acc. to IEC 60754-2
Smoke-density acc. to IEC 61034-1/2

Approved for Marine and Offshore applications

| -DNV Certificate TAE00004GC

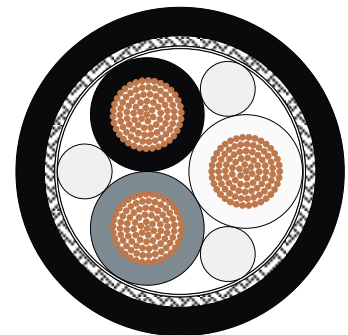
Permissible temperature range

Transport and fixed installation: -30 °C (-22 °F) up to 90 °C (194 °F)
Installation and flexible use : -15 °C (5 °F) up to 90 °C (194 °F)

Weight about : 289 kg/km (193,7 lb/1000ft)

Designation of order

L45551-H31-K6
239167
LI9YCH 3X1X4.0 BK
1000 m (3281 ft) on non-returnable reel



Product has not been tested and classified according to the CPR (EU/305/2011).
The product shall not be permanently installed in buildings in the EU.

FELTEN Wire and Cable Solutions BV reserves the right to make changes to the product described in this specification without prior notice. FELTEN does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.