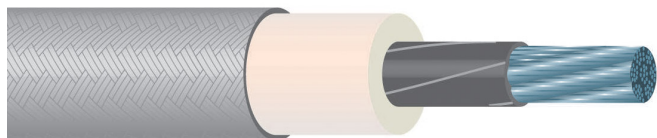




HALLEY CABLES

SILHALL Style 3663 7.2 kV -60° to +180° C Silicone and Heat Resistant Cables (7.2 kV)

Silicone insulated, flexible cable



Construction:

- Conductor : tinned copper, stranded, class 5.
- Separator : semi-conducting tape.
- Insulation : silicone rubber.
- Outer sheath : coated synthetic reinforcing braid.

Technical data and tests:

- Working voltage : 7.2 kV.
- Test voltage : 15 kV.
- Max. operating temp., fixed : -60° C ~ +180° C, peaks at +230° C.
- Min. bending radius, fixed : ~5 x D.

Standards & Approvals:

- F1 rated as per NF F 16-101.
- Type approval certificates for use in shipbuilding industry, IEC 60092-350 standards.
- Lloyd's Register of Shipping.
- Fire behaviour : meets requirements of IEC 60331-21, IEC 60332-1 and IEC 60332-3-22.
- UL 180°C - 7200 V and CSA 180°C - 7200 V recognised series (cUL recognition).

Applications:

Flexible connecting cable for increased ambient temperatures, for example transformers, generators and motors. For installation indoors and in cable ducts for power stations, industry and distribution networks etc. The halogen-free sheath/protection is resistant against transformer oil and fuel oil. The cable is also suited for wiring of rotating machines: motors, alternators, generators, wiring of static motors: transformers, inductors, inverters, choppers for shipbuilding and railway construction, power supply.

Any other sections available upon request.

Options:

- Other working voltages : Style 3661 (1.1 kV), Style 3662 (4.2 kV) and Style 3664 (15 kV).
- Other cross-sections: consult us.

Additional information:

- Good resistance to thermal shock and UV.
- Excellent ageing resistance.
- Good resistance to ozone and the corona effect.
- Excellent mechanical strength.
- Compatible with most impregnation varnishes.
- Max. permissible current: consult our technical departments.
- Packaging can be in rolls, spools or drums.

www.halleycables.com

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DIMENSIONS - CORE

| Nominal cross-section mm ² | Nominal stranding | Max. linear resistance at 20°C Ω/km |
|--|-------------------|--|
| 4 | 32 x 0,40 | 5,09 |
| 6 | 48 x 0,40 | 3,39 |
| 10 | 80 x 0,40 | 1,95 |
| 16 | 126 x 0,40 | 1,24 |
| 25 | 196 x 0,40 | 0,795 |
| 35 | 276 x 0,40 | 0,565 |
| 50 | 396 x 0,40 | 0,393 |
| 70 | 360 x 0,50 | 0,277 |
| 95 | 485 x 0,50 | 0,21 |
| 120 | 608 x 0,50 | 0,164 |
| 150 | 756 x 0,50 | 0,132 |
| 185 | 944 x 0,50 | 0,108 |
| 240 | 1221 x 0,50 | 0,0817 |
| 300 | 1525 x 0,50 | 0,0654 |
| 400 | 2037 x 0,50 | 0,0495 |

DIMENSIONS - INSULATED WIRE OR CABLE

| Nominal outer diameter mm | Max. linear weight kg/km |
|------------------------------|-----------------------------|
| 8,2 | 95 |
| 9,1 | 120 |
| 10,3 | 172 |
| 11,5 | 238 |
| 13 | 330 |
| 14,6 | 440 |
| 16,7 | 612 |
| 18,3 | 825 |
| 20,5 | 1060 |
| 22,6 | 1315 |
| 24,9 | 1630 |
| 26,4 | 1935 |
| 30,2 | 2510 |
| 32,9 | 3180 |
| 37 | 4210 |

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Any other sections available upon request.

