

**Number of cycles**  
**5 million**

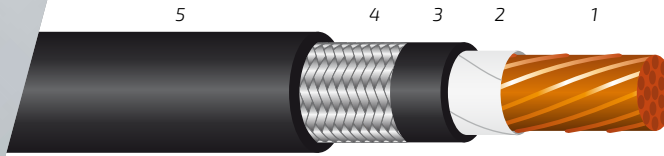
in cable carrier chains

**Bending radius**  
**10 x  $\phi$**

- 1 • Flexible bare copper core – Class 5 as per IEC 60228
- 2 • Snag-proof tape on core
- 3 • TPE insulation
- 4 • Tin-plated copper braid shield
- 5 • Polyurethane sheath

# HIFLEX®

## CH5 BE POWER



### Applications

Extra-flexible electrical cable for electrical power supply and instrumentation & control of moving devices. Especially designed for use in cable carrier chains

### Options

- Tin-plated copper core
- Other colours: contact us
- Other nominal cross-sections: contact us
- Wrap shielding

### General characteristics

#### Thermal

Continuous operating temperatures: -20°C to +90°C

#### Electrical

Operating voltage: 600 / 1000 V

Test voltage: 3000 V

#### Halogen free

as per IEC 60754-1

#### Mechanical strength

as per test report CGP DEP2008004-CH5-BE

Fatigue strength in cable carrier chains: 5 million cycles

Dynamic bending radius: 10 x  $\phi$

Good mechanical strength

#### Chemical

Good resistance to common chemical environments

| Stranding*<br>(mm <sup>2</sup> ) | Nominal outside<br>diameter<br>(mm) | Approximate<br>weight<br>(kg/km) |
|----------------------------------|-------------------------------------|----------------------------------|
| 1 x 6                            | 7.0                                 | 118                              |
| 1 x 10                           | 8.2                                 | 170                              |
| 1 x 16                           | 9.7                                 | 246                              |
| 1 x 21                           | 11.3                                | 348                              |
| 1 x 35                           | 12.5                                | 453                              |
| 1 x 50                           | 14.5                                | 639                              |
| 1 x 70                           | 17.4                                | 905                              |
| 1 x 95                           | 19.8                                | 1184                             |

\*for other stranding combinations, please contact us

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