

Number of cycles

5 million

bending & torsion

Bending radius

10 x ϕ

- 1 • Extra-flexible bare copper core - class 6 as per IEC 60228.
- 2 • Special polymer insulation
- 3 • Snag-proof tape
- 4 • Polyurethane sheath

HIFLEX®

TF5 CONTROL



Applications

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

Options

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

General characteristics

Thermal

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

Electrical

Operating voltage: 300 / 500 V

Test voltage: 2000 V

Mechanical strength

as per test report CGP DEP2008003-TF5

Bending fatigue: 5 million cycles

Dynamic bending radius: 10 x ϕ

Good mechanical strength

Chemical

Good resistance to common chemical environments

Stranding* (mm ²)	Nominal outside diameter (mm)	Approximate weight (kg/km)
2 x 0.75	5.0	37
3 x 0.75	5.2	45
5 x 0.75	6.1	68
7 x 0.75	7.2	94
12 x 0.75	8.4	145
14 x 0.75	8.8	164
18 x 0.75	9.9	209
25 x 0.75	11.6	289
2 x 1	5.4	44
3 x 1	5.7	56
4 x 1	6.3	71
5 x 1	6.8	86
7 x 1	7.8	116
12 x 1	9.5	186
18 x 1	10.9	264
20 x 1	11.4	291
25 x 1	13.1	372
40 x 1	15.7	569
3 x 1.5	6.5	77
4 x 1.5	7.0	96
5 x 1.5	7.6	117
7 x 1.5	8.8	160
12 x 1.5	10.7	257
18 x 1.5	12.6	373
20 x 1.5	13.2	412
25 x 1.5	14.9	518

For this product, please contact:

CGP SAS
62 route du Coin
42400 Saint-Chamond
France
Tel.: +33 (0)4 77 31 02 54
cgp@omerin.com

*for other stranding combinations, please contact us