CABLES FOR ROBOTICS & AUTOMATION

CABLE CARRIER CHAINS MULTI-CORE INSTRUMENTATION & CONTROL CABLES

3

2

Number of cycles 2 million

in cable carrier chains

Bending radius 10 x ø

 1 • Extra-flexible bare copper core - class 6 as per IEC 60228.
 2 • PVC insulation
 3 • Snag-proof tape
 4 • Extra-flexible PVC jacket



General characteristics

Thermal

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

4

Electrical

Operating voltage: 300 / 500 V Test voltage: 2000 V

Mechanical strength

as per test report CCP DEP2008001-CH2 Fatigue strength in cable carrier chains: 2 million cycles Dynamic bending radius: 10 x ø Good mechanical strength

Chemical

Good resistance to common chemical environments

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

For this product, please contact:

Nominal outside Approximate diameter weight Stranding^{*} (mm²) (mm) (kg/km) 47 5.7 2 x 0.75 3 x 0.75 6.0 57 5 x 0.75 7.1 85 7 x 0.75 8.4 119 12 x 0.75 182 10.1 14 x 0.75 10.6 205 18 x 0.75 11.8 258 25 x 0.75 14.7 368 2 x 1 6.2 58 6.5 70 3 x 1 4 x 1 7.1 86 104 5 x 1 7.7 7 x 1 9.1 145 226 12 x 1 11.0 18 x 1 17.9 373 20 x 1 13.6 358 25 x 1 15.5 458 40 x 1 18.8 699 3 x 1.5 98 7.6 124 4 x 1.5 8.4 9.2 5 x 1.5 151 7 x 1.5 10.8 209 12 x 1.5 13.2 331 18 x 1.5 15.6 476 20 x 1.5 16.4 527 678 25 x 1.5 18.8

*for other stranding combinations, please contact us



CGP SAS

France

62 route du Coin 42400 Saint-Chamond

Tel.: +33 (0)4 77 31 02 54 cgp@omerin.com

www.omerin.com

The information given in this technical data sheet is indicative and subject to change without prior notice, since our design analysis cannot fully allow for the installation, wiring, electrical, and environmental conditions affecting the cable. OMERIN will not under any circumstances be held liable for any incidents arising from misuse, particularly when wiring does not comply with good profession practice or the standards in force. To ensure optimal use of our products, we recommend testing in real-life situations. To this end, our sales department is on hand to supply samples and/or for the conditions of comprehensive testing in our laboratories. Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.