

HIGH-TEMPERATURE

METAL HOSE 101 AD

Highly flexible metal protection conduit — cable protection up to 400 °C



Highly flexible metal protection conduit in heavy-duty design, heat-resistant up to +400 °C. Designed for cable protection in electrical installations, switch cabinets and switchgear. The open metal construction gives extreme temperature tolerance that exceeds all PUR and TPE-based hoses. IP 40 per EN/IEC 60529. Suited for hot air applications, cable routing in industrial environments and as a protection conduit in classified zones.

R: metallic Ω

Media: Gas, Dust

Temp: 0 °C to 400 °C

✓ Cut to length

APPLICATIONS

- Cable protection in switch cabinets and switchgear
- Hot air transport in industry
- CNC machines and heat-loaded installations
- Aluminium smelters and hot process plants
- Exhaust gas conduit
- Protection conduit at welding robots

Technical specifications

Material	Galvanised steel
Colour	Steel grey
Wall construction	Spiral-folded metal construction without inner coating
Spiral material	galvanised steel spiral
Conveying media	Gas, Dust
Temperature range	0 °C – 400 °C
Short-term peak	400 °C
Electrical resistance	metallic Ω
Cut to length	Yes
Manufacturer SKU	1019010

Standards and compliance

ip-40, REACH, RoHS

Dimensions and ordering

The hose is supplied in 10 standard sizes from inner Ø 8.0 mm to 51.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
8	10	25	10	0.5	10	10130109010
11	14	34	10	0.12	10	10130149010
14	17	40	10	0.15	10	10130179010
16	19	45	10	0.16	10	10130199010
18	21	50	10	0.18	10	10130219010
23	27	67	10	0.32	10	10130279010
31	36	90	10	0.46	10	10130369010
40	45	110	10	1	10	10130459010
47	52	125	10	0.1	10	10130529010
51	56	140	10	0.01	10	10130569010

The table shows 10 standard dimensions. Weight data from the manufacturer's factsheet may have a few data irregularities at larger dimensions - contact us if exact weight is critical for your installation. The hose is rated IP 40 (protection against larger foreign objects, not waterproof).

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Contact and advisory

Particulair

Højtoften 12
2690 Karlslunde, Denmark
CVR: 34129894

Phone: (+45) 70 23 12 03
E-mail: sales@particulair.com
Web: particulair.eu

Product page: particulair.eu/flexcore/en/high-temperature/metal-hose-101-ad/

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This datasheet is generated automatically from Particulair product data. All specifications are taken from the manufacturer's factsheet and are subject to change without notice. Prices and availability provided on request.