



Non-Metallic Conduits

• HG-HI PA12

Standard weight PA12 corrugated flexible conduit for applications with continual movement and bending.

Features and Benefits

- Standard weight
- Excellent fatigue life
- Recovers form if crushed
- Good mechanical properties at low temperatures
- Highly resistant to solvents and oils
- Free of halogen, sulphur and phosphorus
- Colour: black (UV resistant)

Application

Robots, rail, machine building, plant construction and wherever continual movement and bending are requirements.



HelaGuard PA12 is ideal for robotics.

Material Data

Material	Polyamide 12 (PA12)
Operating Temperature	-50 °C to +110 °C
Flammability	self-extinguishing according to EN IEC 61386




Technical Table

Article-No.	Type	Nominal Ø	Outside Ø	Inside Ø	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-11501	HG-HI13	13	13.0	9.8	25	26	50	Black (BK)
166-11502	HG-HI16	16	15.8	11.8	30	35	50	Black (BK)
166-11503	HG-HI21	21	21.2	16.7	35	55	50	Black (BK)
166-11504	HG-HI28	28	28.5	21.7	45	92	50	Black (BK)
166-11505	HG-HI34	34	34.5	28.1	55	120	25	Black (BK)
166-11506	HG-HI42	42	42.5	35.5	60	160	25	Black (BK)
166-11507	HG-HI54	54	54.5	47.2	70	220	25	Black (BK)

All dimensions in mm. Subject to technical changes.

Other reel lengths available on request.

 Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.