

HelaGuard HG-SW PA6 Standard

Standard weight corrugated flexible conduit for industrial applications.

Features and Benefits

- Standard weight
- Highly flexible and high fatigue life
- Abrasion resistant
- High impact strength, recovers if crushed
- Highly resistant to solvents and oils
- Free of halogen, sulphur and phosphorus
- Low smoke and low toxicity
- Colour: black (UV resistant); grey (RAL 7031) on request

Application

Machine building, plant and construction, control panels, public buildings.



HelaGuard PA6 Standard for industrial applications.

Other materials available on request. Please contact us!

Material Data

Material	Polyamide 6 (PA6)
Operating Temperature	-40 °C to +120 °C
Operating Temperature Moving	-20 °C to +100 °C
Flammability	UL94 V2



Technical Table

Article-No.	Type	Nominal Ø	Outside Ø (OD)	Ø D	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-11100	HG-SW10	10	10.0	6.3	15	19	50	Black (BK)
166-11101	HG-SW11	11	11.5	8.2	20	22	50	Black (BK)
166-11102	HG-SW13	13	13.0	9.8	25	28	50	Black (BK)
166-11103	HG-SW16	16	15.8	11.8	35	38	50	Black (BK)
166-11104	HG-SW21	21	21.2	16.7	45	60	50	Black (BK)
166-11112	HG-SW28	28	28.5	22.8	50	100	50	Black (BK)
166-11118	HG-SW34	34	34.5	28.1	60	135	50	Black (BK)
166-11113	HG-SW42	42	42.5	35.5	70	165	25	Black (BK)
166-11114	HG-SW54	54	54.5	47.2	80	235	25	Black (BK)
166-11109	HG-SW67	67	67.2	56.3	130	365	10	Black (BK)

All dimensions in mm. Subject to technical changes.

Colour grey available on request.

Other reel lengths available on request.



Please note: for product specific approvals, please contact HellermannTyton.

HelaGuard HG-LW PA6 Light

Light weight corrugated flexible conduit.

Features and Benefits

- Light weight
- Small bending radius
- Highly flexible and high fatigue life
- High impact strength, recovers if crushed
- Highly resistant to solvents and oils
- Free of halogen, sulphur and phosphorus
- Colour: black; grey (RAL 7031) on request

Application

Machine building, plant construction, control panels and public buildings, wherever lower mechanical protection is required.



HelaGuard PA6 Light is very flexibel and used in moving applications.

Other materials available on request. Please contact us!

Material Data

Material	Polyamide 6 (PA6)
Operating Temperature	-40 °C to +120 °C
Operating Temperature Moving	-20 °C to +100 °C
Flammability	self-extinguishing according to EN IEC 61386



Technical Table

Article-No.	Type	Nominal Ø	Outside Ø (OD)	Ø D	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-11200	HG-LW10	10	10.0	6.5	15	18	50	Black (BK)
166-11201	HG-LW11	11	11.5	8.4	20	22	50	Black (BK)
166-11202	HG-LW13	13	13.0	9.8	25	24	50	Black (BK)
166-11203	HG-LW16	16	15.8	11.8	35	36	50	Black (BK)
166-11204	HG-LW21	21	21.2	16.7	40	56	50	Black (BK)
166-11205	HG-LW28	28	28.5	21.7	45	90	50	Black (BK)
166-11206	HG-LW34	34	34.5	28.1	55	110	50	Black (BK)
166-11207	HG-LW42	42	42.5	35.5	65	150	25	Black (BK)
166-11208	HG-LW54	54	54.5	47.2	80	200	25	Black (BK)
166-11209	HG-LW67	67	67.2	56.5	110	310	25	Black (BK)

All dimensions in mm. Subject to technical changes.

Colour grey available on request.

Other reel lengths available on request.



Please note: for product specific approvals, please contact HellermannTyton.

HelaGuard HG-HW PA6 Heavy

Heavy weight corrugated flexible conduit for high mechanical demands.

Features and Benefits

- Heavy weight
- High mechanical strength
- Abrasion resistant
- High impact strength
- Highly resistant to solvents and oils
- Free of halogen, sulphur and phosphorus
- Colour: black (UV resistant)

Application

Heavy-duty machine building, plant construction and public buildings, wherever high mechanical strength is required.



When high mechanical protection is needed: HelaGuard PA6 Heavy.

Other materials available on request. Please contact us!

Material Data	
Material	Polyamide 6 (PA6)
Operating Temperature	-40 °C to +120 °C
Flammability	UL94 V2



Technical Table

Article-No.	Type	Nominal Ø	Outside Ø (OD)	Ø D	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-11302	HG-HW13	13	13.0	9.0	35	37	50	Black (BK)
166-11303	HG-HW16	16	15.8	11.5	45	48	50	Black (BK)
166-11304	HG-HW21	21	21.2	15.5	55	80	50	Black (BK)
166-11305	HG-HW28	28	28.5	21.3	60	130	50	Black (BK)
166-11306	HG-HW34	34	34.5	26.9	70	170	25	Black (BK)
166-11307	HG-HW42	42	42.5	34.6	80	200	25	Black (BK)
166-11308	HG-HW54	54	54.5	46.0	90	270	25	Black (BK)

All dimensions in mm. Subject to technical changes.

Other reel lengths available on request.



Please note: for product specific approvals, please contact HellermannTyton.

**HelaGuard HG-FR PA6
Flame Retardant**

Where high fire protection is required.

Features and Benefits

- Standard weight
- Highly flame retardant (UL94 V0)
- Low smoke, low toxicity
- Highly flexible and high fatigue life
- Abrasion resistant
- High impact strength, recovers if crushed
- Highly resistant to solvents and oils
- Free of halogen, sulphur and phosphorus
- Colour: black (UV resistant).

Application

Railway vehicles, railway tunnels, underground stations and public buildings, where high fire protection is required



Public buildings often require HelaGuard PA6 Flame Retardant due to its high fire protection properties.

**Other materials
available on request.
Please contact us!**

Material Data

Material	Polyamide 6, Flame retardant (PA6-FR)
Operating Temperature	-40 °C to +120 °C
Operating Temperature Moving	-20 °C to +100 °C
Flammability	UL94 V0



Technical Table

Article-No.	Type	Nominal Ø	Outside Ø (OD)	Ø D	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-11400	HG-FR10	10	10.0	6.3	15	19	50	Black (BK)
166-11401	HG-FR13	13	13.0	9.8	25	28	50	Black (BK)
166-11402	HG-FR16	16	15.8	11.8	35	38	50	Black (BK)
166-11403	HG-FR21	21	21.2	16.7	45	60	50	Black (BK)
166-11404	HG-FR28	28	28.5	21.7	50	100	50	Black (BK)
166-11405	HG-FR34	34	34.5	28.1	60	135	50	Black (BK)
166-11406	HG-FR42	42	42.5	35.5	70	165	25	Black (BK)
166-11407	HG-FR54	54	54.5	47.2	80	235	25	Black (BK)

All dimensions in mm. Subject to technical changes.

Other reel lengths available on request.



Please note: for product specific approvals, please contact HellermannTyton.

HelaGuard HG-HI PA12 Standard

Features and Benefits

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

- 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.

Other materials available on request. Please contact us!

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 (OD)	Ø D	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-11501	HG-HI13	13	13	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: for product specific approvals, please contact HellermannTyton.

HelaGuard HG-DC Double Slit

Double slit corrugated conduit for retrofitting.

Features and Benefits

- Can be opened and closed repeatedly
- Cables can be inserted laterally
- Abrasion resistant
- Free of halogen, sulphur and phosphorus
- Colour: black (UV resistant)

Application

Control panels, machine building, plant construction and wherever retrofitting is a requirement.



HelaGuard HG-DC double slit conduit is ideal for retrofitting.

Other materials available on request. Please contact us!

Material Data

Material	Polyamide 6 (PA6)
Operating Temperature	-40 °C to +110 °C
Flammability	UL94 V2



Technical Table

Article-No.	Type	Nominal Ø	Outside Ø (OD)	Ø D	Bending Radius	Weight (g/m)	Reel Length (m)	Colour
166-11800	HG-DC11	11	11.5	6.7	45	23	50	Black (BK)
166-11801	HG-DC13	13	13.0	7.9	55	37	50	Black (BK)
166-11802	HG-DC16	16	15.8	10.5	60	44	50	Black (BK)
166-11803	HG-DC21	21	21.2	13.9	90	63	50	Black (BK)
166-11804	HG-DC28	28	28.5	20.5	105	94	50	Black (BK)
166-11805	HG-DC34	34	34.5	27.0	150	118	25	Black (BK)
166-11806	HG-DC42	42	42.5	34.8	170	193	25	Black (BK)
166-11807	HG-DC54	54	54.5	45.3	170	263	25	Black (BK)

All dimensions in mm. Subject to technical changes.

Other reel lengths available on request.



Please note: for product specific approvals, please contact HellermannTyton.