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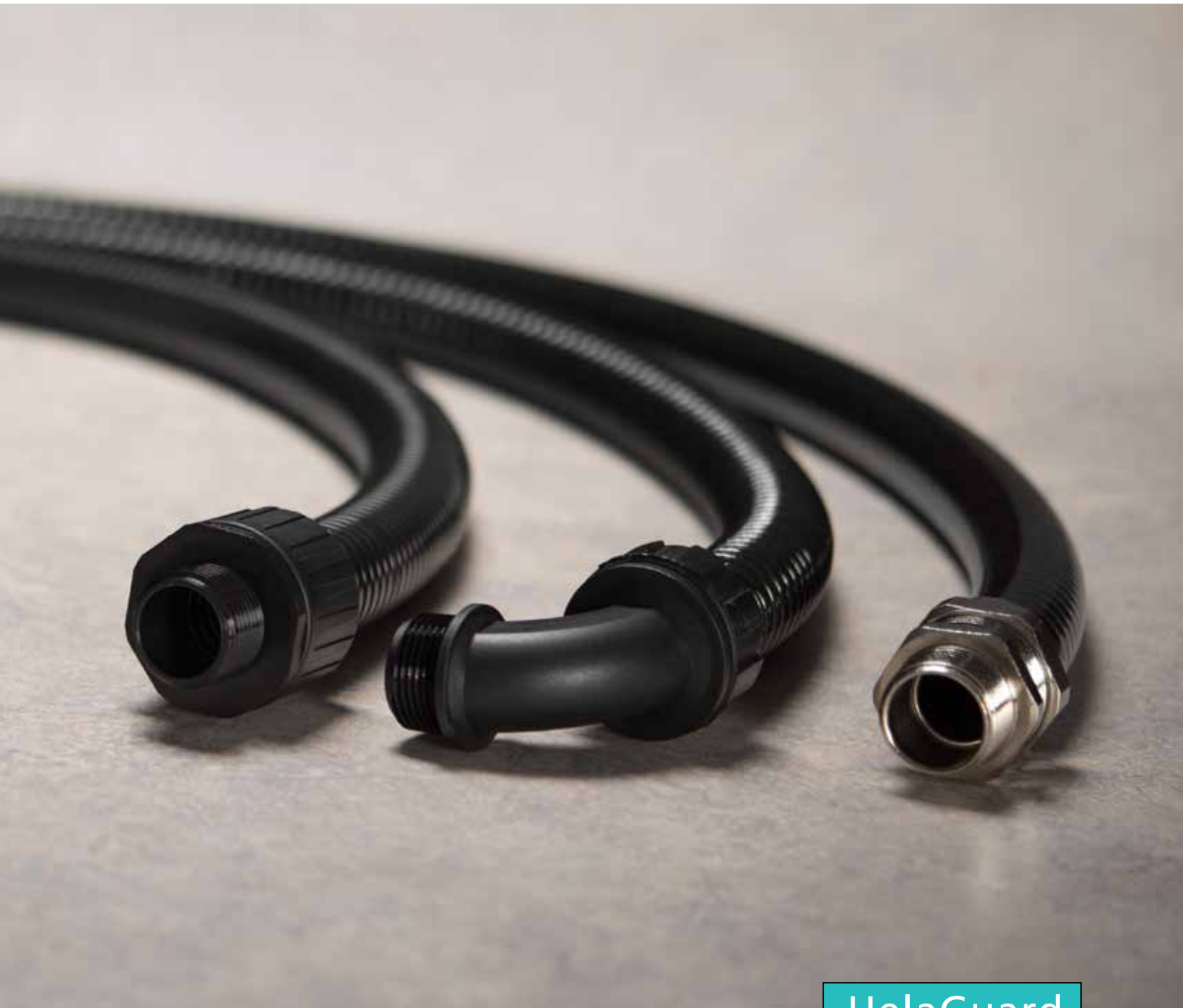
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HelaGuard

Non-Metallic Conduit & Fittings



HelaGuard Non-Metallic Conduit Systems



	Page		Page
HelaGuard Overview	3	HelaGuard Non-Metallic Tubing & Compression Fittings	
Conduit Application Overview	4	PSR Reinforced Spiral Tubing	33
Mounting & Removing HelaGuard Non-Metallic Fittings	5	LPC Reinforced Smooth Tubing	34
HelaGuard Non-Metallic System Nomenclature	6	2-Piece NPT Thread Compression Fittings	35
		Fittings for LPC Smooth Bore PVC Tubing	36
HelaGuard Non-Metallic Conduits		HelaGuard Accessories	
Conduit Application Overview	8	PAEC Nylon End Caps for Corrugated Conduits	38
Standard Weight Nylon Conduit (Slit & Non-Slit)	9	REC Rubber End Caps	38
Lightweight Nylon Conduit	10	Nickel Plated Brass Locknuts	39
Flame Retardant Standard Weight Nylon Conduit	11	Nylon Locknuts	39
High Impact Standard Weight Nylon Conduit (Slit & Non-Slit)	12	Clips for Corrugated Conduits	40
Standard Weight Double Slit Nylon Conduit	13	Clips for PSR & LPC Tubing	40
		ConCutter Non-Metallic Conduit Cutters	41
HelaGuard Non-Metallic Fittings		Sealing Washers	41
Straight External NPT Thread Fittings	16	Appendix	
90 Degree Elbow External NPT Thread Fittings	17	Technical Information - Enclosure Rating by Type	44
45 Degree Elbow External NPT Thread Fittings	18	Information on IEC to NEMA Ratings	45
Straight Brass Swivel External Metric Thread Fittings	19	Ingress Protection (IP)	46
90 Degree Elbow Brass Swivel External Metric Thread Fittings	20	Chemical Resistance	47
45 Degree Elbow Brass Swivel External Metric Thread Fittings	21	IEC 61386 Classification	48
Straight Brass Swivel Internal Metric Thread Fittings	22	Thread Data	49
90 Degree Elbow Brass Swivel Internal Metric Thread Fittings	23	Product Selection Guide	50
45 Degree Elbow Brass Swivel Internal Metric Thread Fittings	24	Cutting and Assembly Guide	55
Straight Swivel Flange Fittings	25	Index by Part Number	56
90 Degree Elbow Swivel Flange Fittings	26	Index by Type	57
45 Degree Elbow Swivel Flange Fittings	27		
T-Connectors	28		
Y-Divider Fittings	29		
Conduit Couplers	30		
HelaGuard Reducer Fittings Nomenclature	31		
Conduit Reducers	32		

HelaGuard is an innovative system of non-metallic conduits, fittings and accessories that provides a highly versatile and lightweight solution for flexible cable management protection and routing needs. Available in a wide range of sizes, styles and materials, HelaGuard can address the wide array of mechanical, environmental and safety requirements needed for a project or application.

HelaGuard Non-Metallic Conduits

The self-extinguishing, halogen free HelaGuard conduits are preferred whenever conditions call for a lightweight, flexible material solution with good corrosion resistance properties. Standard and lightweight PA6 nylon conduits are widely used in OEM, electrical, and general manufacturing environments. A PA12 nylon conduit is well suited for dynamic applications that involve constant or repetitive motion — such as in industrial automation, or when exposed to UV conditions. A flame retardant PA6 nylon is also available, along with a double slit version that is ideal for MRO and retrofitting applications. Most HelaGuard nylon conduits are UL recognized components.

HelaGuard Non-Metallic Fittings

When fast installation and security is required, HelaGuard nylon fittings provide superior tensile strength with a simple snap-on and twist motion. All HelaGuard fittings with the “HG” designation achieve an ingress protection rating of IP66 against dirt and moisture. When a higher degree of protection is required, “HGL” fittings contain a special washer that fulfills IP68 classifications. Types of non-metallic fittings include straight fittings, elbows, flanges, T-Connectors, reducers and couplings. Compression fittings allow for ease of access to wires and cables for future maintenance.



Please note: For product specific approvals, please contact HellermannTyton or visit the product pages at www.hellermann.tyton.com.



Routing, Protection & Insulation

HelaGuard Non-Metallic Conduit



Applications

- Wire harness protection
- Medical equipment
- Conveyor systems
- Robotics and factory automation
- Machine construction and equipment
- Communication and security system cabling
- Industrial control panels
- Facility wiring



Key Features

- Wide range of sizes & materials
- Resistance to most chemicals
- High tensile strength
- Fast-fit design
- Liquid-tight system, IP65 up to IP69
- UV resistant materials
- Highly flexible

Benefits

- Suitable for broad range of applications
- Diverse applications
- Safe, secure assembly
- Easy installation, reduced assembly costs
- Meets industry standards
- Reliable protection against dust and water
- Suitable for outdoor applications
- Ease of use and installation

Mounting and Removing HelaGuard Non-Metallic Snap-On Fittings

HelaGuard snap-on fittings are mounted simply, quickly and very securely. They offer exceptionally high pull-off strength and are vibration as well as tamper resistant. They can be removed with a screwdriver. HelaGuard snap-on fittings can be used again and again.

To mount and remove HelaGuard snap-on fittings, follow these simple instructions.



1. If the fitting has been used before, be sure that the slit points to the "on" position. To assemble the fitting, push it onto the end of the conduit as far as possible without forcing it, and twist it slightly. The fitting is now securely locked.



2. To remove the fitting, insert a small screwdriver into the slit.



3. Move the handle of the screwdriver towards the "off" position. The capnut will rotate slightly. The locking mechanism is now released.



4. Remove the screwdriver.



5. Manually rotate the capnut further towards the "off" position as far as possible.



6. Pull to remove the fitting from the end of the conduit.

To re-engage HelaGuard snap-on fittings, simply turn the capnut back to the "on" position and mount it onto the end of the conduit.

System Nomenclature

Example

Conduit: **HG-SW0500**

HG	SW	050	0
----	----	-----	---

Example

Fittings: **HGL075-S-0750**

HGL	075	S	075	0
-----	-----	---	-----	---

Box colors above refer to the following chart colors below.

Product Line	
HG	= HelaGuard Non-Metallic Conduits & Fittings IP66
HGL	= HelaGuard Non-Metallic Conduits & Fittings IP68

Conduit Description	
SW	= Standard Weight PA6 Nylon
SWSL	= Standard Weight PA6 Nylon - Slit
LW	= Lightweight PA6 Nylon
FR	= Flame Retardant, Standard Weight PA6-FR Nylon
HI	= High Impact, Standard Weight PA12 Nylon
HISL	= High Impact Standard Weight PA12 Nylon – Slit
DC	= Double Cut Conduit PA6 Nylon
PSR	= Reinforced Spiral Tubing (PVC)
LPC	= Reinforced Smooth Tubing (PVC)

Conduit Nominal Size	
038	= 3/8" (16mm)
050	= 1/2" (21mm)
075	= 3/4" (28mm)
100	= 1" (34mm)
125	= 1-1/4" (40mm)
150	= 1-1/2" (50mm)
200	= 2" (67mm)

Color	
0	= Black
8	= Gray

Fitting Style	
S	= Straight Fitting
45	= 45 Degree Elbow
90	= 90 Degree Elbow
T	= T-Connector
SFL	= Straight Flange Fitting
90FL	= 90 Degree Flange
45FL	= 45 Degree Flange
SM	= Straight External Nickel Plated Brass Metric Thread
90M	= 90 Degree Elbow External Nickel Plated Brass Metric Thread
45M	= 45 Degree Elbow External Nickel Plated Brass Metric Thread
SF	= Straight Internal Nickel Plated Brass Metric Thread
90F	= 90 Degree Elbow Internal Nickel Plated Brass Metric Thread
45F	= 45 Degree Elbow Internal Nickel Plated Brass Metric Thread
PSR	= 2 Piece Nylon Compression Fitting
LPC-S	= Metallic Compression Fitting for LPC Tubing NPT Thread

Fitting Size / Type	
038	= 3/8" NPT Thread
050	= 1/2" NPT Thread
075	= 3/4" NPT Thread
100	= 1" NPT Thread
125	= 1-1/4" NPT Thread
150	= 1-1/2" NPT Thread
200	= 2" NPT Thread
M16	= 16mm Metric Thread
M20	= 20mm Metric Thread
M25	= 25mm Metric Thread
M32	= 32mm Metric Thread
M40	= 40mm Metric Thread
M50	= 50mm Metric Thread

HelaGuard Non-Metallic Conduit Guide

- Lightweight and flexible, with good impact, vibration and chemical resistance
- Slit options allow for easy installation and maintenance
- Corrugated conduit and smooth tubing options
- Non-slit allows for liquid-tight ingress protection when paired with IP rated fittings
- UV resistant and flame retardant options available

Non-Metallic Conduit	Page
HG-SW PA6 Standard Weight	9
HG-LW PA6 Lightweight	10
HG-FR PA6 Flame Retardant	11
HG-HI PA12 Standard Weight	12

	Page
HG-DC Double Slit	13
PSR Reinforced Spiral Tubing	33
LPC Reinforced Smooth Tubing	34

Routing, Protection & Insulation

HelaGuard Non-Metallic Conduit

Conduit Application Overview

Conduit System	HG-SW PA6 corrugated, standard weight	HG-LW PA6 corrugated, lightweight	HG-FR flame retardant PA6 corrugated, standard weight	HG-HI PA12 corrugated, standard weight	HG-DC PA6 corrugated, double slit	PSR smooth bore, helically formed PVC, spiral reinforced	LPC spiral reinforced tubing, smooth surface
Page	11	12	13	14	15	34	35
IP rating available	IP66, IP67, IP68, IP69	IP66, IP67, IP68, IP69	IP66, IP67, IP68, IP69	IP66, IP67, IP68, IP69	IP40	IP65	IP67, IP68
Compression strength kg/100mm, 21mm size	75	60	75	45	60	60	120
Pull-off strength kg, 21mm size	40	30	40	30	15	25	70
High fatigue life	Yes	Yes	Yes	Yes		Yes	Yes
Temperature range	-40°C to +120°C	-40°C to +120°C	-40°C to +120°C	-50°C to +110°C	-50°C to +110°C	-5°C to +70°C	-5°C to +70°C
Flexible	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Low fire hazard	Yes		Yes	Yes			
Halogen free	Yes	Yes	Yes	Yes	Yes		
Flammability Rating	UL94-V2	Self-extinguishing	UL94-V0	Self-extinguishing	UL94-V2	Self-extinguishing	Self-extinguishing
High abrasion resistance	Yes		Yes	Yes	Yes	Yes	Yes
High UV resistance (black)	Yes		Yes	Yes		Yes	Yes



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

Routing, Protection & Insulation

HelaGuard Non-Metallic Conduit

Standard Weight Nylon Conduit (Slit & Non-Slit)

HG-SW & HG-SWSL Series, PA6

A standard weight corrugated conduit made of PA6 nylon that offers flexible abrasion protection for wire and cable bundles. Easy to cut and use, the material is highly resistant to solvents and oils. Combine with HelaGuard non-metallic fittings for IP66 rating or greater protection against water, wind and dirt.

Features and Benefits

- Material is easy to use and cut; reduces installation time and labor costs.
- Flexible, abrasion resistant and durable for a variety of applications.
- Good impact strength; recovers quickly if crushed.
- UV resistant; suitable for use in outdoor applications.
- Offered in fine or coarse corrugated pitch.
- Offered with or without slit; slit options offer easy access during installation and maintenance.

HF ✓

RoHS ✓



HelaGuard Standard Weight for industrial applications.

MATERIAL	Polyamide 6 (PA6)
Operating Temperature	-40°F to +248°F (-40°C to +120°C)
Operating Temperature Moving	-4°F to +212°F (-20°C to +100°C)
Flammability	UL94 V2

PART NO.	Nominal Size (Ø)		Pitch	Type	Outside Diameter Ø (OD)		Inside Diameter Ø (ID)		Inside Bend Radius		Color	Package Quantity per Reel	
	in.	(mm)			in.	(mm)	in.	(mm)	in.	(mm)		ft	(m)
Non-slit Conduit													
166-90284	1/4	(10)	F	HG-SW0250	0.39	(10)	0.248	(6.3)	0.59	(15)	Black	100	(30.5)
166-90287	1/4	(10)	F	HG-SW0250	0.39	(10)	0.248	(6.3)	0.59	(15)	Black	164	(50)
166-90286	5/16	(13)	F	HG-SW0310	0.51	(13)	0.39	(9.8)	0.99	(25)	Black	100	(30.5)
166-90288	5/16	(13)	F	HG-SW0310	0.51	(13)	0.39	(9.8)	0.99	(25)	Black	164	(50)
166-90190	3/8	(16)	F	HG-SW0380	0.63	(15.8)	0.47	(11.8)	1.38	(35)	Black	100	(30.5)
166-90191	1/2	(21)	C	HG-SW0500	0.84	(21.2)	0.63	(16.0)	1.78	(45)	Black	100	(30.5)
166-90192	3/4	(28)	C	HG-SW0750	1.13	(28.5)	0.85	(21.7)	1.97	(50)	Black	100	(30.5)
166-90193	1	(34)	C	HG-SW1000	1.36	(34.5)	1.11	(28.1)	2.36	(60)	Black	50	(15.2)
166-90194	1.25	(42)	C	HG-SW1250	1.68	(42.5)	1.4	(35.5)	2.76	(70)	Black	50	(15.2)
166-90195	1.50	(54)	C	HG-SW1500	2.15	(54.5)	1.86	(47.2)	3.15	(80)	Black	50	(15.2)
166-90463	2.0	(67)	C	HG-SW2000	2.65	(67.2)	2.22	(56.3)	5.12	(130)	Black	25	(7.6)
166-90283	1/4	(10)	F	HG-SW0258	0.39	(10)	0.248	(6.3)	0.59	(15)	Gray	100	(30.5)
166-90285	5/16	(13)	F	HG-SW0318	0.51	(13)	0.39	(9.8)	0.99	(25)	Gray	100	(30.5)
166-90276	3/8	(16)	F	HG-SW0388	0.63	(15.8)	0.47	(11.8)	1.38	(35)	Gray	100	(30.5)
166-90277	1/2	(21)	F	HG-SW0508	0.84	(21.2)	0.66	(16.7)	1.78	(45)	Gray	100	(30.5)
166-90278	3/4	(28)	F	HG-SW0758	1.13	(28.5)	0.9	(22.8)	1.97	(50)	Gray	100	(30.5)
166-90279	1	(34)	C	HG-SW1008	1.36	(34.5)	1.11	(28.1)	2.36	(60)	Gray	50	(15.2)
166-90280	1.25	(42)	C	HG-SW1258	1.68	(42.5)	1.4	(35.5)	2.76	(70)	Gray	50	(15.2)
166-90281	1.50	(54)	C	HG-SW1508	2.15	(54.5)	1.86	(47.2)	3.15	(80)	Gray	50	(15.2)
Slit Conduit													
166-90270	3/8	(16)	F	HG-SWSL0380	0.63	(15.8)	0.47	(11.8)	1.38	(35)	Black	100	(30.5)
166-90271	1/2	(21)	F	HG-SWSL0500	0.84	(21.2)	0.66	(16.7)	1.78	(45)	Black	100	(30.5)
166-90272	3/4	(28)	F	HG-SWSL0750	1.13	(28.5)	0.9	(22.8)	1.97	(50)	Black	100	(30.5)
166-90273	1	(34)	C	HG-SWSL1000	1.36	(34.5)	1.11	(28.1)	2.36	(60)	Black	50	(15.2)
166-90274	1.25	(42)	C	HG-SWSL1250	1.68	(42.5)	1.4	(35.5)	2.76	(70)	Black	50	(15.2)
166-90275	1.50	(54)	C	HG-SWSL1500	2.15	(54.5)	1.86	(47.2)	3.15	(80)	Black	50	(15.2)

Use Part No. for ordering and Type for specification purposes.



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



21mm through 54mm non-slit sizes

Routing, Protection & Insulation

HelaGuard Non-Metallic Conduit

Lightweight Nylon Conduit

HG-LW Series, PA6

Lightweight nylon corrugated conduit provides high flexibility and good mechanical protection of wire and cable bundles, especially useful in smaller bend radius tight-fit applications. PA6 material offers high resistance to oils and solvents, along with good abrasion protection. Combine with HelaGuard non-metallic fittings for IP66 rating or greater protection against water, wind and dirt.

Features and Benefits

- Lightweight and highly flexible for use in tight bend and fit applications.
- Easy to use and cut; reduces installation time and labor costs.
- Good abrasion resistance and impact strength; recovers quickly if crushed.
- Offered in fine or coarse corrugated pitch.



HelaGuard Lightweight is very flexible; ideal for use in moving applications.

MATERIAL	Polyamide 6 (PA6)
Operating Temperature	-40°F to +248°F (-40°C to +120°C)
Operating Temperature Moving	-4°F to +212°F (-20°C to +100°C)
Flammability	Self-extinguishing according to EN IEC 61386



PART NO.	Nominal Size (Ø)		Pitch	Type	Outside Diameter Ø (OD)		Inside Diameter Ø (ID)		Inside Bend Radius		Color	Package Quantity per Reel	
	in.	(mm)			in.	(mm)	in.	(mm)	in.	(mm)		ft	(m)
166-90452	1/4	(10)	F	HG-LW0250	0.39	(10)	0.26	(6.5)	0.59	(15)	Black	200	(61.0)
166-90196	3/8	(16.0)	F	HG-LW0380	0.63	(15.8)	0.46	(11.8)	1.38	(35)	Black	100	(30.5)
166-90197	1/2	(21.0)	F	HG-LW0500	0.84	(21.2)	0.66	(16.7)	1.58	(40)	Black	100	(30.5)
166-90198	3/4	(28.0)	F	HG-LW0750	1.13	(28.5)	0.91	(23.0)	1.78	(45)	Black	100	(30.5)
166-90199	1	(34.0)	C	HG-LW1000	1.36	(34.5)	1.11	(28.1)	2.17	(55)	Black	50	(15.2)
166-90200	1-1/4	(42.0)	C	HG-LW1250	1.68	(42.5)	1.40	(35.5)	2.56	(65)	Black	50	(15.2)
166-90201	1-1/2	(54.0)	C	HG-LW1500	2.15	(54.5)	1.86	(47.2)	3.15	(80)	Black	50	(15.2)
166-90465	2.0	(67)	C	HG-LW2000	2.65	(67.2)	2.23	(56.5)	10.7	(110)	Black	25	(7.6)

Use Part No. for ordering and Type for specification purposes.



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

Flame Retardant Standard Weight Nylon Conduit

HG-FR Series, PA6-FR

A standard weight corrugated conduit made of a flame retardant material for use in applications in which high fire protection and low flammability are primary requirements. Easy to cut and use, the material is highly resistant to solvents and oils. Combine with HelaGuard non-metallic fittings for IP66 rating or greater protection against water, wind and dirt.

Features and Benefits

- Flame retardant material; meets low flammability, smoke and toxicity ratings.
- Easy to use and cut; reduces installation time and labor costs.
- Flexible, abrasion resistant and durable for a variety of applications.
- Good impact strength; recovers quickly if crushed.
- Rated UL94 V0.
- UV resistant; suitable for use in outdoor applications.
- Offered in fine or coarse corrugated pitch.



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

MATERIAL	Polyamide 6, Flame retardant (PA6-FR)
Operating Temperature	-40°F to +248°F (-40°C to +120°C)
Operating Temperature Moving	-4°F to +212°F (-20°C to +100°C)
Flammability	UL94 V0



PART NO.	Nominal Size (Ø)		Pitch	Type	Outside Diameter Ø (OD)		Inside Diameter Ø (ID)		Inside Bend Radius		Color	Package Quantity per Reel
	in.	(mm)			in.	(mm)	in.	(mm)	in.	(mm)		ft (m)
166-90202	3/8	(16.0)	F (Fine)	HG-FR0380	0.63	(15.8)	0.47	(11.8)	1.38	(35.0)	Black	100 (30.5)
166-90203	1/2	(21.0)	F (Fine)	HG-FR0500	0.84	(21.2)	0.66	(16.7)	1.77	(45.0)	Black	100 (30.5)
166-90204	3/4	(28.0)	C (Coarse)	HG-FR0750	1.13	(28.5)	0.86	(21.7)	1.97	(50.0)	Black	100 (30.5)
166-90205	1	(34.0)	C (Coarse)	HG-FR1000	1.36	(34.5)	1.11	(28.1)	2.36	(60.0)	Black	50 (15.2)
166-90206	1-1/4	(42.0)	C (Coarse)	HG-FR1250	1.68	(42.5)	1.40	(35.5)	2.76	(70.0)	Black	50 (15.2)
166-90207	1-1/2	(54.0)	C (Coarse)	HG-FR1500	2.15	(54.5)	1.86	(47.2)	3.15	(80.0)	Black	50 (15.2)

Use Part No. for ordering and Type for specification purposes.



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

Routing, Protection & Insulation

HelaGuard Non-Metallic Conduit

High Impact Standard Weight Nylon Conduit (Slit & Non-Slit)

HG-HI & HG-HISL Series, PA12

A standard weight corrugated conduit made of PA12 nylon that offers superior impact resistance, making it ideal for protecting wire and cable bundles in conditions with continual movement or bending. This material is highly resistant to UV light, solvents and oils. Combine with HelaGuard non-metallic fittings to achieve IP66 or greater protection against water, wind and dirt.

Features and Benefits

- Very high impact strength; recovers completely if crushed and provides excellent fatigue life.
- Highly UV resistant; suitable for use in outdoor applications.
- Offered in fine or coarse corrugated pitch.
- Offered with or without slit; slit options offer easy access during installation and maintenance.



High Impact HelaGuard is ideal for robotics and industrial automation.

MATERIAL	Polyamide 12 (PA12)
Operating Temperature	-58°F to +230°F (-50°C to +110°C)
Flammability	Self-extinguishing according to EN IEC 61386



PART NO.	Nominal Size (Ø)		Pitch	Type	Outside Diameter Ø (OD)		Inside Diameter Ø (ID)		Inside Bend Radius		Color	Package Quantity per Reel	
	in.	(mm)			in.	(mm)	in.	(mm)	in.	(mm)		ft	(m)
Non-slit Conduit													
166-90282	5/16	(13)	F	HG-HI0310	0.51	(13)	0.39	(9.8)	0.99	(25)	Black	100	(30.5)
166-90208	3/8	(16.0)	F	HG-HI0380	0.63	(15.8)	0.47	(11.8)	1.19	(30)	Black	100	(30.5)
166-90209	1/2	(21.0)	F	HG-HI0500	0.84	(21.2)	0.66	(16.7)	1.38	(35)	Black	100	(30.5)
166-90210	3/4	(28.0)	C	HG-HI0750	1.13	(28.5)	0.86	(21.7)	1.78	(45)	Black	100	(30.5)
166-90211	1	(34.0)	C	HG-HI1000	1.36	(34.5)	1.11	(28.1)	2.17	(55)	Black	50	(15.2)
166-90212	1-1/4	(42.0)	C	HG-HI1250	1.68	(42.5)	1.4	(35.5)	2.36	(60)	Black	50	(15.2)
166-90213	1-1/2	(54.0)	C	HG-HI1500	2.15	(54.5)	1.86	(47.2)	2.76	(70)	Black	50	(15.2)
166-90464	2.0	(67)	C	HG-HI2000	2.65	(67.2)	2.22	(56.3)	4.72	(120)	Black	25	(7.6)
Slit Conduit													
166-90264	3/8	(16.0)	F	HG-HISL0380	0.63	(15.8)	0.47	(11.8)	1.19	(30)	Black	100	(30.5)
166-90265	1/2	(21.0)	F	HG-HISL0500	0.84	(21.2)	0.66	(16.7)	1.38	(35)	Black	100	(30.5)
166-90266	3/4	(28.0)	C	HG-HISL0750	1.13	(28.5)	0.86	(21.7)	1.78	(45)	Black	100	(30.5)
166-90267	1	(34.0)	C	HG-HISL1000	1.36	(34.5)	1.11	(28.1)	2.17	(55)	Black	50	(15.2)
166-90268	1-1/4	(42.0)	C	HG-HISL1250	1.68	(42.5)	1.4	(35.5)	2.36	(60)	Black	50	(15.2)
166-90269	1-1/2	(54.0)	C	HG-HISL1500	2.15	(54.5)	1.86	(47.2)	2.76	(70)	Black	50	(15.2)

Use Part No. for ordering and Type for specification purposes.



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

Standard Weight Double Slit Nylon Conduit

HG-DC Series, PA6

A standard weight corrugated conduit with two slit openings that eases installation and maintenance of wire and cable bundles. The interlocking construction is excellent for retrofitting projects. PA6 material is highly resistant to solvents and oils, and offers UV and abrasion resistance.

Features and Benefits

- Double slit opening offers easy access during installation and maintenance.
- Material is easy to use and cut; reduces installation time and labor costs.
- Flexible, abrasion resistant and durable for a variety of applications.
- Good impact strength; recovers quickly if crushed.
- UV resistant; suitable for use in outdoor applications.
- Offered in fine or coarse corrugated pitch.



Double Slit HelaGuard allows for ease in retrofitting.

MATERIAL	Polyamide 6 (PA6)
Operating Temperature	-40°F to +248°F (-40°C to +120°C)
Flammability	Self-extinguishing according to EN IEC 61386



PART NO.	Nominal Size (Ø)		Pitch	Type	Outside Diameter Ø (OD)		Inside Diameter Ø (ID)		Inside Bend Radius		Color	Package Quantity per Reel	
	in.	(mm)			in.	(mm)	in.	(mm)	in.	(mm)		ft	(m)
166-11808	3/8	(16.0)	F (Fine)	HG-DC0380	0.63	(15.8)	0.41	(10.3)	3.94	(100.0)	Black	164	(50)
166-11809	1/2	(21.0)	F (Fine)	HG-DC0500	0.84	(21.2)	0.55	(13.9)	4.73	(120.0)	Black	164	(50)
166-11810	3/4	(28.0)	C (Coarse)	HG-DC0750	1.13	(28.5)	0.81	(20.5)	6.70	(170.0)	Black	164	(50)
166-11811	1	(34.0)	C (Coarse)	HG-DC1000	1.36	(34.5)	1.05	(26.6)	7.09	(180.0)	Black	82	(25)
166-11812	1-1/4	(42.0)	C (Coarse)	HG-DC1250	1.68	(42.5)	1.26	(32.0)	7.88	(200.0)	Black	82	(25)
166-11813	1-1/2	(54.0)	C (Coarse)	HG-DC1500	2.15	(54.5)	1.70	(43.0)	9.45	(240.0)	Black	82	(25)

Use Part No. for ordering and Type for specification purposes.



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

Routing, Protection & Insulation

HelaGuard Non-Metallic Fittings

- High tensile strength due to all-around teeth design
- Simple construction for ease of installation
- NPT thread patterns on all-nylon fittings
- Metric thread patterns on nylon/brass fittings

- Vibration tested for secure installations
- Snap-on and compression fitting options
- Snap-on fittings work with corrugated conduits

SNAP-ON Fixed Thread Fittings		Page
Straight IP66 HG-S		16
Straight IP68 HGL-S		16
90° Elbow IP66 HG-90		17
90° Elbow IP68 HGL-90		17
45° Elbow IP66 HG-45		18
45° Elbow IP68 HGL-45		18

SNAP-ON Swivel, External Thread Fittings		Page
Straight IP66 HG-SM		19
Straight IP68 HGL-SM		19
90° Elbow IP66 HG-90M		20
90° Elbow IP68 HGL-90M		20
45° Elbow IP66 HG-45M		21
45° Elbow IP68 HGL-45M		21

SNAP-ON Swivel, Internal Thread Fittings		Page
Straight IP66 HG-SF		22
Straight IP68 HGL-SF		22
90° Elbow IP66 HG-90F		23
90° Elbow IP68 HGL-90F		23
45° Elbow IP66 HG-45F		24
45° Elbow IP68 HGL-45F		24

SNAP-ON Flange Fittings		Page
Straight IP66 HG-SFL		25
Straight IP68 HGL-SFL		25
90° Elbow IP66 HG-90FL		26
90° Elbow IP68 HGL-90FL		26
45° Elbow IP66 HG-45FL		27
45° Elbow IP68 HGL-45FL		27

SNAP-ON

T-Connectors, Reducers, Conduit Couplers

		Page
T-Connector IP66 HG-T		28
T-Connector IP68 HGL-T		28
Y-Dividers IP66 HG-Y		29
Y-Dividers IP68 HGL-YL		29
Conduit Couplers IP66 HG-HG		30
Reducer IP66 HG-R		32
Reducer IP68 HGL-R		32

COMPRESSION

Compression Fittings

		Page
Compression 2-Piece Straight IP65 PSR-S		35
Compression 2-Piece 90° Elbow IP65 PSR-90		35
Compression 2-Piece 45° Elbow IP65 PSR-45		35
C-Type Compression IP66, IP67, IP68, IP69 LPC-C		36

Routing, Protection & Insulation

HelaGuard Non-Metallic Fittings

Straight External NPT Thread Fittings

HG-S & HGL-S Series

Straight fitting features a snap-on design that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- External NPT thread provides a secure connection.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- All-around “teeth” attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-S Straight



HGL-S Straight with conduit seal

PART NO.	Nominal Size (Ø)		Type	Bore Hole (Ø)		Color	Pkg Qty
	in.	(mm)		in.	(mm)		pk
IP66							
166-90103	3/8	(16)	HG038-S-0380	0.43	(11.0)	Black	10
166-90305	3/8	(16)	HG038-S-0500	0.55	(14.0)	Black	10
166-90104	1/2	(21)	HG050-S-0500	0.57	(14.5)	Black	10
166-90105	3/4	(28)	HG075-S-0750	0.76	(19.3)	Black	10
166-90106	1	(34)	HG100-S-1000	1.04	(26.5)	Black	10
166-90107	1.25	(42)	HG125-S-1250	1.28	(32.5)	Black	2
166-90306	1.25	(42)	HG125-S-1500	1.65	(42.0)	Black	2
166-90108	1.50	(54)	HG150-S-1500	1.65	(42.0)	Black	2
166-90307	1.5	(54)	HG150-S-2000	2.09	(53.0)	Black	1
166-90308	2.0	(67)	HG200-S-2000	2.2	(56.0)	Black	1
IP68							
166-90118	3/8	(16)	HGL038-S-0380	0.43	(11.0)	Black	10
166-90455	3/8	(16)	HGL038-S-0500	0.57	(14.5)	Black	10
166-90119	1/2	(21)	HGL050-S-0500	0.57	(14.5)	Black	10
166-90120	3/4	(28)	HGL075-S-0750	0.76	(19.3)	Black	10
166-90121	1	(34)	HGL100-S-1000	1.04	(26.5)	Black	10
166-90122	1.25	(42)	HGL125-S-1250	1.28	(32.5)	Black	2
166-90123	1.50	(54)	HGL150-S-1500	1.65	(42.0)	Black	2

Use Part No. for ordering and Type for specification purposes.
Locknuts for NPT threads sold separately. See page 39.

MATERIAL	Polyamide 6.6 (PA66)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2



i Fittings with metric threads available on request. Please contact us!



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

90 Degree Elbow External NPT Thread Fittings

HG-90 & HGL-90 Series

Elbow fitting features a snap-on design that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- External NPT thread provides a secure connection.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- Elbow features a smooth, swept bore to ease cable installation.
- All-around “teeth” attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-90 90° Elbow



HGL-90 90° Elbow with conduit seal

PART NO.	Nominal Size (Ø)		Type	Bore Hole (Ø)		Color	Pkg Qty
	in.	(mm)		in.	(mm)		pk
IP66							
166-90332	3/8	(16)	HG038-90-0500	0.55	(14)	Black	10
166-90098	1/2	(21)	HG050-90-0500	0.55	(14.0)	Black	10
166-90099	3/4	(28)	HG075-90-0750	0.75	(19.0)	Black	10
166-90100	1	(34)	HG100-90-1000	0.96	(24.5)	Black	10
166-90101	1.25	(42)	HG125-90-1250	1.28	(32.5)	Black	2
166-90333	1.25	(42)	HG125-90-1500	1.54	(39.0)	Black	2
166-90102	1.50	(54)	HG150-90-1500	1.54	(39.0)	Black	2
166-90466	2.0	(67)	HG200-90-2000	1.95	(49.5)	Black	1
IP68							
166-90454	3/8	(16)	HGL038-90-0500	0.55	(14)	Black	10
166-90113	1/2	(21)	HGL050-90-0500	0.55	(14.0)	Black	10
166-90114	3/4	(28)	HGL075-90-0750	0.75	(19.0)	Black	10
166-90115	1	(34)	HGL100-90-1000	0.96	(24.5)	Black	10
166-90116	1.25	(42)	HGL125-90-1250	1.28	(32.5)	Black	2
166-90117	1.50	(54)	HGL150-90-1500	1.54	(39.0)	Black	2

Use Part No. for ordering and Type for specification purposes.
Locknuts for NPT threads sold separately. See page 39.

MATERIAL	Polyamide 6.6 (PA66)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2



i Fittings with metric threads available on request. Please contact us!

Routing, Protection & Insulation

HelaGuard Non-Metallic Fittings

45 Degree Elbow External NPT Thread Fittings

HG-45 & HGL-45 Series

Elbow fitting features a snap-on design that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- External NPT thread provides a secure connection.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- Elbow features a smooth, swept bore to ease cable installation.
- All-around “teeth” attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-45 45° Elbow



HGL-45 45° Elbow with conduit seal

PART NO.	Nominal Size (Ø)		Type	Bore Hole (Ø)		Color	Pkg Qty
	in.	(mm)		in.	(mm)		pk
IP66							
166-90331	3/8	(16)	HG038-45-0500	0.55	(14)	Black	10
166-90094	1/2	(21)	HG050-45-0500	0.55	(14.0)	Black	10
166-90095	3/4	(28)	HG075-45-0750	0.75	(19.0)	Black	10
166-90096	1	(34)	HG100-45-1000	0.96	(24.5)	Black	10
166-90097	1.50	(54)	HG150-45-1500	1.54	(39.0)	Black	2
IP68							
166-90109	1/2	(21)	HGL050-45-0500	0.55	(15.0)	Black	10
166-90110	3/4	(28)	HGL075-45-0750	0.75	(19.0)	Black	10
166-90111	1	(34)	HGL100-45-1000	0.96	(25.0)	Black	10
166-90112	1.50	(54)	HGL150-45-1500	1.54	(39.0)	Black	2

Use Part No. for ordering and Type for specification purposes.
Locknuts for NPT threads sold separately. See page 39.

MATERIAL	Polyamide 6.6 (PA66)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2



i Fittings with metric threads available on request. Please contact us!



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

Straight Brass Swivel External Metric Thread Fittings

HG-SM & HGL-SM Series

Straight fitting features a snap-on design and a nickel-plated brass thread that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- External nickel-plated brass metric thread provides a secure connection.
- Swivel feature minimizes cable twisting, providing strain relief.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- All-around “teeth” attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-SM Straight Swivel External Thread



HGL-SM Straight Swivel External Thread with conduit seal

PART NO.	Nominal Size (Ø)		Type	Thread Size	Bore Hole (Ø)		Color	Pkg Qty (pk)
	in.	(mm)			in.	(mm)		
IP66								
166-90022	3/8	(16.0)	HG038-SM-M16	M16	0.43	(11.0)	Black	10
166-90023	1/2	(21.0)	HG050-SM-0500	M20	0.57	(14.5)	Black	10
166-90024	3/4	(28.0)	HG075-SM-M25	M25	0.77	(19.5)	Black	10
166-90025	1	(34.0)	HG100-SM-M32	M32	1.04	(26.5)	Black	10
166-90026	1-1/4	(42.0)	HG125-SM-M40	M40	1.28	(32.5)	Black	2
166-90027	1-1/2	(54.0)	HG150-SM-M50	M50	1.65	(42.0)	Black	2
IP68								
166-90028	3/8	(16.0)	HGL038-SM-M16	M16	0.43	(11.0)	Black	10
166-90029	1/2	(21.0)	HGL050-SM-M20	M20	0.57	(14.5)	Black	10
166-90030	3/4	(28.0)	HGL075-SM-M25	M25	0.77	(19.5)	Black	10
166-90031	1	(34.0)	HGL100-SM-M32	M32	1.04	(26.5)	Black	10
166-90032	1-1/4	(42.0)	HGL125-SM-M40	M40	1.28	(32.5)	Black	2
166-90033	1-1/2	(54.0)	HGL150-SM-M50	M50	1.65	(42.0)	Black	2

Use Part No. for ordering and Type for specification purposes.
Locknuts for NPT threads sold separately. See page 39.

MATERIAL	Polyamide 6.6 (PA66); Nickel Plated Brass (NPB)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2



Routing, Protection & Insulation

HelaGuard Non-Metallic Fittings

90 Degree Elbow Brass Swivel External Metric Thread Fittings

HG-90M & HGL-90M Series

Elbow fitting features a snap-on design and a nickel-plated brass metric thread that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- External nickel-plated brass metric thread provides a secure connection.
- Swivel feature minimizes cable twisting, providing strain relief.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- Elbow features a smooth, swept bore to ease cable installation.
- All-around "teeth" attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-90M 90° Elbow Swivel External Thread



HGL-90M 90° Elbow Swivel External Thread with conduit seal

PART NO.	Nominal Size (Ø)		Type	Thread Size	Bore Hole (Ø)		Color	Pkg Qty (pk)
	in.	(mm)			in.	(mm)		
IP66								
166-90034	3/8	(16.0)	HG038-90M-M16	M16	0.41	(10.5)	Black	10
166-90035	1/2	(21.0)	HG050-90M-M20	M20	0.55	(14.0)	Black	10
166-90036	3/4	(28.0)	HG075-90M-M25	M25	0.75	(19.0)	Black	10
166-90037	1	(34.0)	HG100-90M-M32	M32	0.96	(24.5)	Black	10
166-90038	1-1/4	(42.0)	HG125-90M-M40	M40	1.54	(39.0)	Black	2
166-90039	1-1/2	(54.0)	HG150-90M-M50	M50	1.54	(39.0)	Black	2
IP68								
166-90040	3/8	(16.0)	HGL038-90M-M16	M16	0.41	(10.5)	Black	10
166-90041	1/2	(21.0)	HGL050-90M-M20	M20	0.55	(14.0)	Black	10
166-90042	3/4	(28.0)	HGL075-90M-M25	M25	0.75	(19.0)	Black	10
166-90043	1	(34.0)	HGL100-90M-M32	M32	0.96	(24.5)	Black	10
166-90044	1-1/4	(42.0)	HGL125-90M-M40	M40	1.54	(39.0)	Black	2
166-90045	1-1/2	(54.0)	HGL150-90M-M50	M50	1.54	(39.0)	Black	2

Use Part No. for ordering and Type for specification purposes.
Locknuts for NPT threads sold separately. See page 39.

MATERIAL	Polyamide 6.6 (PA66); Nickel Plated Brass (NPB)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2



45 Degree Elbow Brass Swivel External Metric Thread Fittings

HG-45M & HGL-45M Series

Elbow fitting features a snap-on design and a nickel-plated brass metric thread that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- External nickel-plated brass metric thread provides a secure connection.
- Swivel feature minimizes cable twisting, providing strain relief.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- Elbow features a smooth, swept bore to ease cable installation.
- All-around "teeth" attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-45M 45° Elbow Swivel External Thread



HGL-45M 45° Elbow Swivel External Thread with conduit seal

PART NO.	Nominal Size (Ø)		Type	Thread Size	Bore Hole (Ø)		Color	Pkg Qty (pk)
	in.	(mm)			in.	(mm)		
IP66								
166-90046	3/8	(16.0)	HG038-45M-M16	M16	0.41	(10.5)	Black	10
166-90047	1/2	(21.0)	HG050-45M-M20	M20	0.55	(14.0)	Black	10
166-90048	3/4	(28.0)	HG075-45M-M25	M25	0.75	(19.0)	Black	10
166-90049	1	(34.0)	HG100-45M-M32	M32	0.96	(24.5)	Black	10
166-90050	1-1/4	(42.0)	HG125-45M-M40	M40	1.54	(39.0)	Black	2
166-90051	1-1/2	(54.0)	HG150-45M-M50	M50	1.54	(39.0)	Black	2
IP68								
166-90052	3/8	(16.0)	HGL038-45M-M16	M16	0.41	(10.5)	Black	10
166-90053	1/2	(21.0)	HGL050-45M-M20	M20	0.55	(14.0)	Black	10
166-90054	3/4	(28.0)	HGL075-45M-M25	M25	0.75	(19.0)	Black	10
166-90055	1	(34.0)	HGL100-45M-M32	M32	0.96	(24.5)	Black	10
166-90056	1-1/4	(42.0)	HGL125-45M-M40	M40	1.54	(39.0)	Black	2
166-90057	1-1/2	(54.0)	HGL150-45M-M50	M50	1.54	(39.0)	Black	2

Use Part No. for ordering and Type for specification purposes.
Locknuts for NPT threads sold separately. See page 39.

MATERIAL	Polyamide 6.6 (PA66); Nickel Plated Brass (NPB)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2



Routing, Protection & Insulation

HelaGuard Non-Metallic Fittings

Straight Brass Swivel Internal Metric Thread Fittings

HG-SF & HGL-SF Series

Straight fitting features a snap-on design and a nickel-plated brass metric thread that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- Internal nickel-plated brass metric thread provides a secure connection.
- Swivel feature minimizes cable twisting, providing strain relief.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- All-around “teeth” attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-SF Straight Swivel Internal Thread



HGL-SF Straight Swivel Internal Thread with conduit seal

PART NO.	Nominal Size (Ø)		Type	Thread Size	Bore Hole (Ø)		Color	Pkg Qty (pk)
	in.	(mm)			in.	(mm)		
IP66								
166-90058	3/8	(16.0)	HG038-SF-M16	M16	0.43	(11.0)	Black	10
166-90059	1/2	(21.0)	HG050-SF-M20	M20	0.57	(14.5)	Black	10
166-90060	3/4	(28.0)	HG075-SF-M25	M25	0.77	(19.5)	Black	10
166-90061	1	(34.0)	HG100-SF-M32	M32	1.04	(26.5)	Black	10
166-90062	1-1/4	(42.0)	HG125-SF-M40	M40	1.28	(32.5)	Black	2
166-90063	1-1/2	(54.0)	HG150-SF-M50	M50	1.65	(42.0)	Black	2
IP68								
166-90064	3/8	(16.0)	HGL038-SF-M16	M16	0.43	(11.0)	Black	10
166-90065	1/2	(21.0)	HGL050-SF-M20	M20	0.57	(14.5)	Black	10
166-90066	3/4	(28.0)	HGL075-SF-M25	M25	0.77	(19.5)	Black	10
166-90067	1	(34.0)	HGL100-SF-M32	M32	1.04	(26.5)	Black	10
166-90068	1-1/4	(42.0)	HGL125-SF-M40	M40	1.28	(32.5)	Black	2
166-90069	1-1/2	(54.0)	HGL150-SF-M50	M50	1.65	(42.0)	Black	2

Use Part No. for ordering and Type for specification purposes.

MATERIAL	Polyamide 6.6 (PA66); Nickel Plated Brass (NPB)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2



90 Degree Elbow Brass Swivel Internal Metric Thread Fittings

HG-90F & HGL-90F Series

Elbow fitting features a snap-on design and a nickel-plated brass metric thread that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- Internal nickel-plated brass metric thread provides a secure connection.
- Swivel feature minimizes cable twisting, providing strain relief.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- Elbow features a smooth, swept bore to ease cable installation.
- All-around "teeth" attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-90F 90° Elbow Swivel Internal Thread



HGL-90F 90° Elbow Swivel Internal Thread with conduit seal

PART NO.	Nominal Size (Ø)		Type	Thread Size	Bore Hole (Ø)		Color	Pkg Qty (pk)
	in.	(mm)			in.	(mm)		
IP66								
166-90070	3/8	(16.0)	HG038-90F-M16	M16	0.41	(10.5)	Black	10
166-90071	1/2	(21.0)	HG050-90F-M20	M20	0.55	(14.0)	Black	10
166-90072	3/4	(28.0)	HG075-90F-M25	M25	0.75	(19.0)	Black	10
166-90073	1	(34.0)	HG100-90F-M32	M32	0.96	(24.5)	Black	10
166-90074	1-1/4	(42.0)	HG125-90F-M40	M40	1.54	(39.0)	Black	2
166-90075	1-1/2	(54.0)	HG150-90F-M50	M50	1.54	(39.0)	Black	2
IP68								
166-90076	3/8	(16.0)	HGL038-90F-M16	M16	0.41	(10.5)	Black	10
166-90077	1/2	(21.0)	HGL050-90F-M20	M20	0.55	(14.0)	Black	10
166-90078	3/4	(28.0)	HGL075-90F-M25	M25	0.75	(19.0)	Black	10
166-90079	1	(34.0)	HGL100-90F-M32	M32	0.96	(24.5)	Black	10
166-90080	1-1/4	(42.0)	HGL125-90F-M40	M40	1.54	(39.0)	Black	2
166-90081	1-1/2	(54.0)	HGL150-90F-M50	M50	1.54	(39.0)	Black	2

Use Part No. for ordering and Type for specification purposes.

MATERIAL	Polyamide 6.6 (PA66); Nickel Plated Brass (NPB)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2



Routing, Protection & Insulation

HelaGuard Non-Metallic Fittings

45 Degree Elbow Brass Swivel Internal Metric Thread Fittings

HG-45F & HGL-45F Series

Elbow fitting features a snap-on design and a nickel-plated brass metric thread that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- Internal nickel-plated brass metric thread provides a secure connection.
- Swivel feature minimizes cable twisting, providing strain relief.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- Elbow features a smooth, swept bore to ease cable installation.
- All-around "teeth" attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-45F 45° Elbow Swivel Internal Thread



HGL-45F 45° Elbow Swivel Internal Thread with conduit seal

PART NO.	Nominal Size (Ø)		Type	Thread Size	Bore Hole (Ø)		Color	Pkg Qty (pk)
	in.	(mm)			in.	(mm)		
IP66								
166-90083	1/2	(21.0)	HG050-45F-M20	M20	0.55	(14.0)	Black	10
166-90084	3/4	(28.0)	HG075-45F-M25	M25	0.75	(19.0)	Black	10
166-90085	1	(34.0)	HG100-45F-M32	M32	0.96	(24.5)	Black	10
166-90086	1-1/4	(42.0)	HG125-45F-M40	M40	1.54	(39.0)	Black	2
166-90087	1-1/2	(54.0)	HG150-45F-M50	M50	1.54	(39.0)	Black	2
IP68								
166-90089	1/2	(21.0)	HGL050-45F-M20	M20	0.55	(14.0)	Black	10
166-90090	3/4	(28.0)	HGL075-45F-M25	M25	0.75	(19.0)	Black	10
166-90091	1	(34.0)	HGL100-45F-M32	M32	0.96	(24.5)	Black	10
166-90092	1-1/4	(42.0)	HGL125-45F-M40	M40	1.54	(39.0)	Black	2
166-90093	1-1/2	(54.0)	HGL150-45F-M50	M50	1.54	(39.0)	Black	2

Use Part No. for ordering and Type for specification purposes.

MATERIAL	Polyamide 6.6 (PA66); Nickel Plated Brass (NPB)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2



Straight Swivel Flange Fittings

HG-SFL & HGL-SFL Series

Straight fitting with flange features a snap-on design that provides a quick, secure connection. Constructed of a very durable nylon material with a high resistance to salts, oils, weak acids and solvents. Designed for easy removal with a small screwdriver. Choose from IP66 or IP68 ingress protection rated fittings.

Features and Benefits

- Flange provides easy installation to flat surfaces.
- Swivel feature minimizes cable twisting, providing strain relief.
- Snap-on construction reduces installation time and costs by eliminating the need to thread fittings onto conduits.
- All-around “teeth” attach firmly to conduit and deliver a high extraction force.
- Durable nylon material has high resistance to salts, oils, weak acids and solvents.
- IP66 fitting has one-piece construction.
- IP68 fitting has additional conduit seal for increased protection against wind, dirt and water.



HG-SFL Straight Swivel Flange



HGL-SFL Straight Swivel Flange with conduit seal

PART NO.	Nominal Size (Ø)		Type	Bore Hole (Ø)		Color	Pkg Qty (pk)
	in.	(mm)		in.	(mm)		
IP66							
166-90148	3/8	(16.0)	HG038-SFL	0.57	(14.5)	Black	10
166-90149	1/2	(21.0)	HG050-SFL	0.77	(19.5)	Black	10
166-90150	3/4	(28.0)	HG075-SFL	1.04	(26.5)	Black	10
166-90151	1	(34.0)	HG100-SFL	1.28	(32.5)	Black	10
166-90152	1-1/4	(42.0)	HG125-SFL	1.65	(42.0)	Black	2
IP68							
166-90163	3/8	(16.0)	HGL038-SFL	0.57	(14.5)	Black	10
166-90164	1/2	(21.0)	HGL050-SFL	0.77	(19.5)	Black	10
166-90165	3/4	(28.0)	HGL075-SFL	1.04	(26.5)	Black	10
166-90166	1	(34.0)	HGL100-SFL	1.28	(32.5)	Black	10
166-90167	1-1/4	(42.0)	HGL125-SFL	1.65	(42.0)	Black	2

Use Part No. for ordering and Type for specification purposes.

MATERIAL	Polyamide 6.6 (PA66); Nickel Plated Brass (NPB)
Operating Temperature	-58°F to +275°F (-50°C to +135°C)
Flammability	UL94 V2

