

## Heyco® Nylon Corrugated Conduit/Tubing – HPAS Series

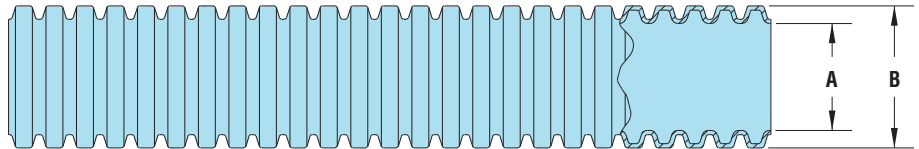
Highly Flexible Polyamide Nylon 6

### Type HPAS

- Low fire hazard.
- Low smoke and toxicity.
- Halogen, sulphur, and phosphorus free.
- Highly flexible and high fatigue life.
- High impact strength and recovers if crushed.
- Lightweight and low installed cost.
- Use with Heyco Nylon Fittings. See pages 2-5 through 2-6.
- UV resistant.
- For use with all types of equipment, machinery, pumps, motors, and HVAC equipment.
- 10 mm thru 54 mm nominal sizes.
- Highly resistant to abrasion, oil, and solvents.
- Voltage Rating: 300V.
- Suitable for use in outdoor locations.
- See Page 2-4 for mounting clips.
- Maximum flexibility, can be used in extremely tight quarters. Bend radius of HPAS Series is equal to its outside diameter.
- See Pages 2-21 for technical specifications.

NOMINAL SIZE	PART NO. Black		DESCRIPTION	PART DIMENSIONS							
	94V-2	94V-0		A				B		Roll Length	
				Inside Bend Radius		Inside Diameter		Outside Diameter		Ft.	M.
10 mm	F8400	F8421	HPAS 10MM 50M COIL	.59	15,0	.24	6,2	.39	10,0	164	50
13 mm	F8402	F8422	HPAS 13MM 50M COIL	.79	20,0	.38	9,6	.51	13,0		
16 mm	F8404	F8424	HPAS 16MM 50M COIL	1.18	30,0	.47	12,0	.62	15,8		
21 mm	F8406	F8426	HPAS 21MM 50M COIL	1.57	40,0	.65	16,5	.84	21,2		
28 mm	F8410	F8432	HPAS 28MM 50M COIL	2.17	55,0	.88	22,3	1.12	28,5		
34 mm	F8414	F8434	HPAS 34MM 50M COIL	2.56	65,0	1.11	28,2	1.36	34,5		
42 mm	F8416	F8436	HPAS 42MM 25M COIL	3.15	80,0	1.42	36,0	1.67	42,5	82	25
54 mm	F8418	F8438	HPAS 54MM 25M COIL	3.74	95,0	1.85	47,1	2.15	54,5		

Standard color black.



Quick Specs

Material	Nylon 6 (PA6)
Certifications	Recognized under Underwriters' Laboratories' File E121095 for both U.S. and Canadian requirements
Flammability Rating	94V-2 and 94V-0 Halogen Free
Temperature Range	-4°F (-20°C) to 221°F (105°C)
IP Rating	IP 66 with HPASC Fittings Per EN60529

# Heyco® Corrugated Conduit Systems

Chemical Resistance—Corrugated Nylon Nonmetallic Conduit and Fittings

Page 2-3

## TYPE HPAS

Nylon PA6  
corrugated,  
standard weight

x	ACETONE
x	BENZENE
x	CARBON TETRACHLORIDE
x	CITRIC ACID
x	DIESEL OIL
x	DIETHYLAMINE
x	ETHANOL
x	ETHER
x	ETHYLAMINE
x	ETHYLENE GLYCOL
x	FREON 32
x	LUBRICATING OIL
x	MEK
x	PARAFFIN OIL
x	PETROL
x	SEA WATER
x	SILVER NITRATE
x	SKYDROL
x	SODIUM CHLORIDE
x	SODIUM HYDROXIDE (10%)
x	SODIUM HYDROXIDE (60%)
x	TOLUENE
x	TRANSFORMER OIL
x	1,1,1-TRICHLOROETHANE
x	TURPENTINE
x	VEGETABLE OIL
x	WATER

### Design Characteristics

80N (18 lb)	for tubing ID less than 17 mm
156N (35 lb)	for tubing ID greater than 17 mm
-40 to 105°C	Temperature Range

x Provides limited resistance to this substance @ Data intended to indicate relative strength and will vary across different sizes. Figures shown for 21 mm nominal size.

## IP RATINGS GUIDE

(Ingress Protection to BS EN 60529)

### 1st digit—protection against solid objects

- 0 No protection
- 1 Protected against objects greater than 50 mm
- 2 Protected against objects greater than 12 mm
- 3 Protected against objects greater than 2.5 mm
- 4 Protected against objects greater than 1.0 mm
- 5 Ingress of dust is not totally prevented but dust does not enter in harmful quantities
- 6 No ingress of dust

### 2nd digit—protection against water

- 0 No protection
- 1 Protected against falling drops
- 2 Protected against drops falling at 15 degrees
- 3 Low pressure spray—similar to shower head at up to 60 degrees from vertical
- 4 Low pressure spray—similar to shower head—from any angle
- 5 Medium pressure jet—similar to garden hose—from any angle
- 6 High pressure jet—similar to fire hose—from any angle
- 7 Submersion at 1 meter for 30 minutes
- 8 Higher water pressure e.g.: 5 bar for 5 hours. Conduits are tested in-house at up to 10 bar.
- 9K Steam clean, high pressure high temp jet wash to DIN40050.