

# HellermannTyton

## Standard Weight Nylon HGSW Series

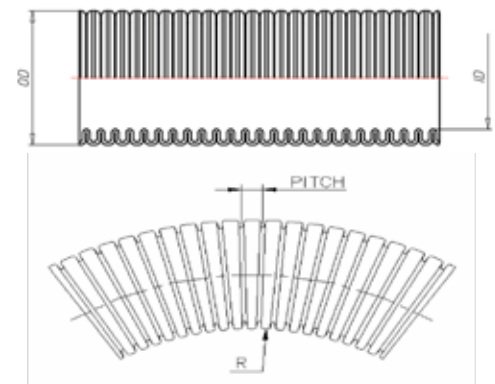
A standard weight corrugated conduit made of PA6 nylon that offers flexible abrasion protection for wire and cable bundles. Easy to cut and use, the material is highly resistant to solvents and oils. Combine with HelaGuard Non Metallic Fittings for IP66 rating or greater protection against water, wind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



Conduit Size		Euro Size	Pitch	HellermannTyton Part Number	Manufacturer Part Reference	Outside Dimension (OD)		Inside Dimension (ID)		Minimum Bend Radius	Compression Strength	Weight
in.	mm	(NW)	F or C			in	mm	in	mm	mm	kg/100mm	lbs / foot
5/16	13	10	F	HG-SW0310	FPAS13	0.51	13.0	0.39	9.8	25	75	0.019
3/8	16	12	F	HG-SW0380	FPAS16	0.63	15.8	0.47	11.8	35	60	0.026
1/2	21	17	F	HG-SW0500	FPAS21	0.84	21.2	0.66	16.7	45	75	0.04
3/4	28	23	F	HG-SW0750	FPAS28	1.13	28.5	0.90	22.8	50	70	0.067
1	34	29	C	HG-SW1000	FPAS34	1.36	34.5	1.11	28.1	60	90	0.091
1.25	42	36	C	HG-SW1250	FPAS42	1.68	42.5	1.40	35.5	70	100	0.111
1.5	54	48	C	HG-SW1500	FPAS54	2.15	54.5	1.86	47.2	80	100	0.158

### Technical Properties and Performance

Property	Rating
Material: Standard Weight Nylon	Polyamide Nylon 6 (PA6)
Highly Flexible with excellent fatigue life	Yes
IP (Ingress Protection) rating with HG (FPA) fittings	IP66
IP (Ingress Protection) rating with HGL (FPAX) fittings	IP66+67+68+69K
Temperature Range-Static	-40°C to +120°C
Temperature Range-Dynamic	-20°C to +100°C
Displays self recovery if crushed	Yes
Water and Dust resistant	Yes
Abrasion Resistant	Yes
High Impact Strength (at -25° C)	> 6 Joules
Vibration and Shock Resistance to EN 61373 Cat 2 (TUV Report 75908286)	Yes
UV Resistance (UL Report No. 13CA50836)	Yes
UL Recognized (File No. E229161)	Yes
34mm, 42mm and 54mm UL Listed and CUL approved (File E246572)	Yes
Lloyds Register Type Approval	Yes
Compression Strength: (Tested at 21mm size)	75kg/100mm
Pull-off (Tensile) Strength (Tested at 21mm size)	40kg HG & HGL fittings
Country of Origin	United Kingdom



Conduit complete with FPA fitting



### Fire Performance

Limiting Oxygen index to ISO 4589 (RAPRA Report No. 38985)	26.40%
Flame Retardancy to UL 94 (RAPRA Report No. 39933)	V2
Ignition and fume rating to NFF16-101/2 (RAPRA Report No. 43386)	I4F1
Maximum smoke opacity to BS6853 annex DD8.3 (RAPRA report 38985)	A <sub>0</sub> = 0.02
Toxicity Index to BS6853 B.1 (WFRC Report No. 141180)	r = 1.55
Toxicity Index to NFX70-100 (WFRC Report No. 141180)	CIT = 29.93
Self extinguishing to EN61386-1 (BSI Report No. 2381/7847798)	Yes
Halogen Sulphur and Phosphorous free	Yes

**Warranty Policy** HellermannTyton products are warranted to be free from defects in material and workmanship at the time sold by us; but our obligation under this warranty and that of the seller is limited to the replacement of the product, and neither we nor the seller are bound by any other warranty, expressed, implied or statutory. Under no circumstances are we or the seller liable for any loss, damage, expenses or consequential damages of any kind arising out of the use or inability to use these products. All are sold with the understanding that the user will test them in actual use and determine their adaptability for the intended uses. Every effort is made to ensure accuracy and completeness when describing the technical properties of these products.