

HPFLEX® HEAVY DUTY

Pliable Electrical Corrugated Conduit - uPVC



HPFLEX® Heavy Duty corrugated conduit is manufactured in Australia to the highest standards with a 25-Year warranty*.

Our conduit conforms to AS/NZS2053.5:2001 and is manufactured with B.E.P certified material. **HPFLEX®** is available from 16mm to 63mm (external diameter) and 80mm (internal diameter).

Unplasticised PVC is a cost-effective polymer with high resistance to impact, water, weather, chemicals and corrosive environments.

Due to its orange colour and high compression strength, **HPFLEX®** Heavy duty is ideal for underground electrical installations requiring the concealment and protection of electrical cables. Our heavy-duty is also UV stabilised to ensure strength and stability if subject to Australia's harsh UV rays.



MANUFACTURED IN AUSTRALIA



B.E.P CERTIFIED



1250N COMPRESSION STRENGTH



6J IMPACT RESISTANCE



EXTREME UV (T) STABILISATION

PROPERTIES

Material	uPVC
Rated Duty	Heavy-duty
Colour	Orange RAL 2012
B.E.P Certified	Yes
Flame Resistance	Non-flame propagating (UL94-V0)
Lead Free	Yes
Dielectric Strength	10 - 40 kV/mm
Halogen Free	No
Ageing Resistance	> 25 years
Rodent repellent	Not attractive to rodents
Country of Manufacture	Australia

SPECIFICATIONS

Compression Strength	1250 N
Impact Resistance	6J
UV Resistance	Extreme UV (T)
Minimum Working Temperature	-5°C
Maximum Working Temperature	+60°C
Resistance to Bending	Pliable

STANDARDS

Ø20 to Ø63	AS/NZS 2053.5:2001
Ø80	IEC 61386.22: 4.4.2.1.2.2

*HP Profiles' liability diminishes over the term of the warranty.

Product information and relevant documents are subject to change. We reserve the right to change material specifications without notice.

Specifications listed are not limited and may extend past the scope of this document.

Dimensions given are approximate as shrinkage can occur after production. 25-year warranty is subject to terms & conditions, contact us or go to www.hpprofiles.com/warranty for full T&C's.

Product Codes and Dimensions

NOMINAL DIAMETER	PART NUMBER	DESCRIPTION
Ø20	HPPCH2010	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 20mm x 10m
	HPPCH2020	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 20mm x 20m
	HPPCH2050	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 20mm x 50m
Ø25	HPPCH2510	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 25mm x 10m
	HPPCH2520	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 25mm x 20m
	HPPCH2550	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 25mm x 50m
Ø32	HPPCH3210	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 32mm x 10m
	HPPCH3225	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 32mm x 25m
Ø40	HPPCH4010	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 40mm x 10m
	HPPCH4025	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 40mm x 25m
Ø50	HPPCH5010	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 50mm x 10m
	HPPCH5025	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 50mm x 25m
Ø63	HPPCH6310	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 63mm x 10m
Ø80 ¹	HPPCH8010	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 80mm x 10m
	HPPCH8010G	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 80mm x 10m - Grey
	HPPCH8010W	HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 80mm x 10m - White

1. Nominal diameter is measured from inner diameter (I.D) as per IEC 61386.22

NOMINAL (mm)	OUTER DIAMETER (mm)	INNER DIAMETER (mm)	WORKING BENDING RADIUS (mm)	STD COIL LENGTH (m)
Ø20	20 (±0.3)	14 (±0.3)	120	10, 20, 50
Ø25	25 (±0.4)	18.2 (±0.4)	150	10, 20, 50
Ø32	32 (±0.4)	23.8 (±0.4)	192	10, 25
Ø40	40 (±0.4)	32.6 (±0.4)	240	10, 25
Ø50	50 (±0.5)	41 (±0.5)	300	10,25
Ø63	63 (±0.6)	52 (±0.6)	378	10
Ø80	96 (±0.9)	79 (±0.9)	480	10

Our conduits are available in custom coil lengths on request.

Ideal uses

Protection of underground electrical cables and installations.

Compatible with

Our PVC Fittings Range pg. 28

100mm & 150mm Corrugated Conduit is also available as our HPFLEX® Corrugated Joiner.

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