

# HPFLEX® HEAVY DUTY

uPVC Pliable Electrical Corrugated Conduit



**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 Greenstar approved as the material is B.E.P certified. **HPFLEX®** is available from 16mm to 63mm (external diameter) and 80mm (internal diameter)

## Properties

<b>Material</b>	uPVC
<b>Rated Duty</b>	Heavy duty
<b>Compression Strength</b>	1250 N / 5 cm
<b>Impact Resistance</b>	6J
<b>Colour</b>	Orange
<b>UV Resistance</b>	Extreme UV (T) Stabilised
<b>Maximum Temperature</b>	+60°C
<b>Minimum Temperature</b>	-5°C
<b>B.E.P Certified</b>	Yes
<b>Flame Resistance</b>	Non-flame propagating (UL94-V0)
<b>Ingress Protection (IP)</b>	IP66
<b>Lead Free</b>	Yes
<b>Dielectric Strength</b>	Electro-insulating
<b>Country of Manufacture</b>	Australia



## Additional properties

<b>Ageing resistance</b>	>25 years
<b>Rodent repellent</b>	Not attractive to rodents

## Standards

<b>Ø16 to Ø63</b>	AS/NZS 2053.5:2001
<b>Ø80</b>	IEC 61386.22: 4.4.2.1.2.2
<b>Ø100 to Ø150</b>	IEC 61386-22
	IEC 61386-24 Type N750

\*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](http://www.hpprofiles.com/warranty) for full T&C's.

## Product Codes and Dimensions

TYPE	PART NUMBER	DESCRIPTION
Ø16	HPPCH16/10	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 16mm x 10m
	HPPCH16/20	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 16mm x 20m
	HPPCH16/50	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 16mm x 50m
Ø20	HPPCH20/10	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 20mm x 10m
	HPPCH20/20	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 20mm x 20m
	HPPCH20/50	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 20mm x 50m
Ø25	HPPCH25/10	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 25mm x 10m
	HPPCH25/20	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 25mm x 20m
	HPPCH25/50	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 25mm x 50m
Ø32	HPPCH32/10	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 32mm x 10m
	HPPCH32/25	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 32mm x 25m
Ø40	HPPCH40/10	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 40mm x 10m
	HPPCH40/25	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 40mm x 25m
Ø50	HPPCH50/10	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 50mm x 10m
	HPPCH50/25	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 50mm x 25m
Ø63	HPPCH63/10	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 63mm x 10m
Ø80	HPPCH80/10	HPFLEX® H/Duty Electrical Corrugated Conduit Roll 80mm x 10m <sup>1</sup>

1. 80mm nominal diameter is measured as per inner diameter (I.D)

TYPE	OUTER DIAMETER (mm)	INNER DIAMETER (mm)	WORKING BENDING RADIUS (mm)	STD COIL LENGTH (m)
Ø16	16 (+0, -0.3)	10.7	96	10, 20, 50
Ø20	20 (+0, -0.3)	12.7	120	10, 20, 50
Ø25	25 (+0, -0.4)	16.5	150	10, 20, 50
Ø32	32 (+0, -0.4)	22	192	10, 25
Ø40	40 (+0, -0.4)	28.3	240	10, 25
Ø50	50 (+0, -0.5)	36	300	10, 25
Ø63	63 (+0, -0.6)	46	378	10
Ø80	96 (+0, -0.9)	78.1	480	10

100mm & 150mm Corrugated Conduit is available as our HPFLEX® Corrugated Joiner. Page 23

### Ideal uses

HPFLEX® Heavy duty is ideal for general electrical work requiring the concealment and protection of electrical cables. Due to its grey colour is it suitable for above ground installations where a reduction of visibility is

### Compatible with

Circular Junction Boxes  
 Converting Adaptors  
 Conduit Clips