

HP2 PROFILES

CORRUGATED CONDUIT

XL RANGE

CELEBRATING 25 YEARS



25 years of business in the electrical industry.

Founded in 1995 with a small manufacturing facility in Perth, HP Profiles has grown to be a nationwide business servicing customers around Australia.

HP Profiles has facilities in Perth, Melbourne and Brisbane, allowing us to provide prompt service and support around Australia, no matter your location.

HP Profiles manufactures products for all electrical projects, be it small commercial or residential requirements, up to and including large solar farms or government infrastructure projects.

We provide the highest quality product at a competitive price, that's why we manufacture in Melbourne to the Australian standards. We understand how harsh Australia's sun can be, that's why our products are made tough.

HP Profiles is the only Australian manufacturer of PVC electrical corrugated conduit over 63mm and now available up to 150mm.

The XL Range are larger diameter products which no other Australian manufacturer currently produces.



XL RANGE

Larger diameter products for larger projects.



NATIONAL DISTRIBUTION FOOTPRINT



PERTH
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DISTRIBUTION

HEAD OFFICE

MELBOURNE

MANUFACTURING

HPFLEX® CORRUGATED CONDUIT



25 YEAR LIMITED WARRANTY*

Pliable Electrical Corrugated Conduit - PVC



HPFLEX® 80mm & 63mm corrugated conduit is manufactured in Australia to the highest standards with a 25-Year warranty* and is Greenstar approved as the material is B.E.P certified.

HPFLEX® is available in nominal diameters ranging from 20mm to 150mm

Properties

Material	uPVC
Rated Duty	Heavy duty
Compression Strength	Ø80 - 1250 N / 5 cm Ø100/150 - 2100 N / 5 cm
Impact Resistance	Ø80 - 6J Ø100 - 28J Ø150 - 40J
Colour	Orange Grey
UV Resistance	Extreme UV (T) Stabilised
Maximum Temperature	+60°C
Minimum Temperature	-5°C
B.E.P Certified	Yes
Flame Resistance	Non-flame propagating (UL94-V0)
Lead Free	Yes
Dielectric Strength	Electro-insulating
Country of Manufacture	Australia

Additional properties

Ageing resistance	>25 years
Rodent repellent	Not attractive to rodents

Standards

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



MANUFACTURED IN AUSTRALIA



B.E.P CERTIFIED



1250N/5CM COMPRESSION STRENGTH



6J IMPACT RESISTANCE



EXTREME UV (T) STABILISATION

*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

TYPE	PART NUMBER	DESCRIPTION
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 ¹

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

TYPE	OUTER DIAMETER (mm)	MINIMUM INNER DIAMETER (mm)	WORKING BENDING RADIUS (mm)	STD COIL LENGTH (m)
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 8

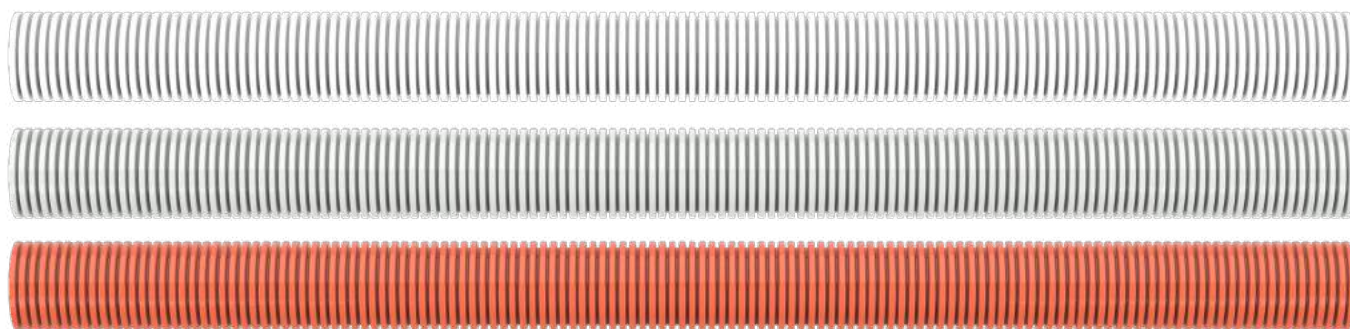
Ideal uses

HPFLEX® Corrugated conduit is ideal for general electrical work requiring the concealment and protection of electrical cables. Available in grey medium-duty, white communications or orange heavy-duty.

Compatible with

80mm Couplings
80mm Transition Couplings
Page 11

Additional Images



HPFLEX® CORRUGATED JOINER



Pliable Electrical Corrugated Joiner with Dual Spigots - PVC



HPFLEX® Corrugated Joiner is manufactured in Australia to the highest standards with a 25-Year limited warranty*. Manufactured with B.E.P certified material, permitting use in Greenstar projects. Spigots are incorporated in the design, allowing for easy installation into standard rigid conduit bells.

The Corrugated Joiner can be installed indoors, outdoors, buried underground or embedded in concrete. Available in Orange or White.

Properties

Material	uPVC
Rated Duty	Heavy duty
Compression Strength	2100 N / 5 cm
Impact Resistance	Ø100 - 28J Ø150 - 40J
Diameter	Ø100, Ø150
Length	2.1m
Colour	Orange RAL 2012 White RAL 9003
UV Resistance	Extreme UV (T) Stabilised
Maximum Temperature	+60°C
Minimum Temperature	-5°C
Working Bending Radius	Ø100 - 500mm Ø150 - 720mm
B.E.P Certified	Yes
Flame Resistance	Non-flame propagating (UL94-V0)
Lead Free	Yes
Dielectric Strength	Electro-insulating
Country of Manufacture	Australia



MANUFACTURED IN AUSTRALIA



B.E.P CERTIFIED



2100N/5CM COMPRESSION STRENGTH



28J & 40J IMPACT RESISTANCE



EXTREME UV (T) STABILISATION

Standards

IEC 61386-22

Conduit systems for cable management

Part 22: Particular requirements - Pliable conduit systems

IEC 61386-24 N750

Conduit systems for cable management

Part 24: Particular requirements for conduit systems buried underground

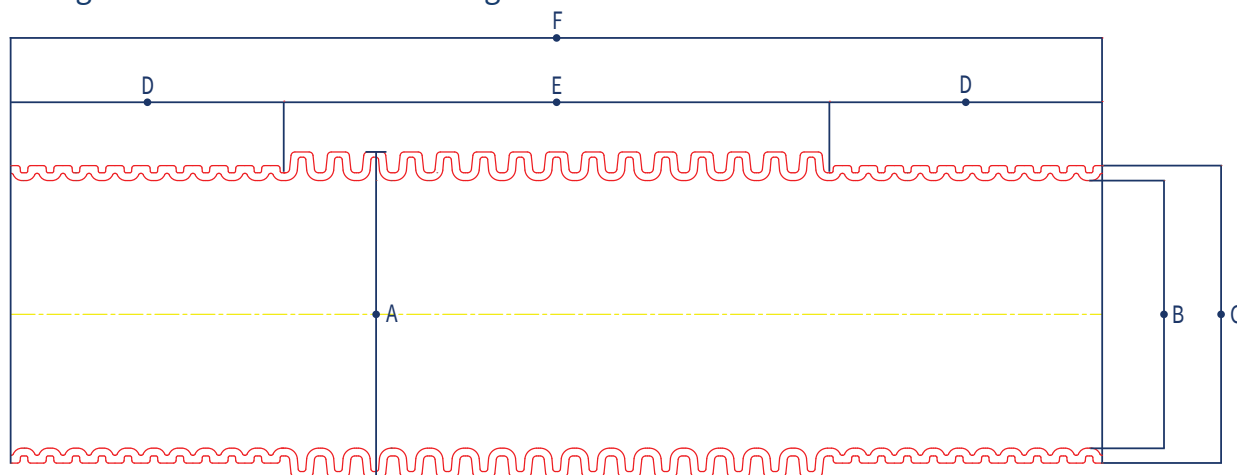
*HP Profiles' liability diminishes over the term of the warranty.

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Drawing and Dimensions

Corrugated Joiner Technical Drawing



TYPE	A OUTER DIAMETER	B MINIMUM INNER DIAMETER	C SPIGOT O.D	D SPIGOT LENGTH	E CORRUGATED LENGTH	F TOTAL LENGTH
Ø100 - 2.1m	125mm (+0, -1.2mm)	100.3mm	114.5mm ¹	105mm	1890mm	2100mm ³
Ø150 - 2.1m	180mm (+0,-1.8mm)	140.9mm	160.3mm ²	105mm	1820mm	2030mm ³

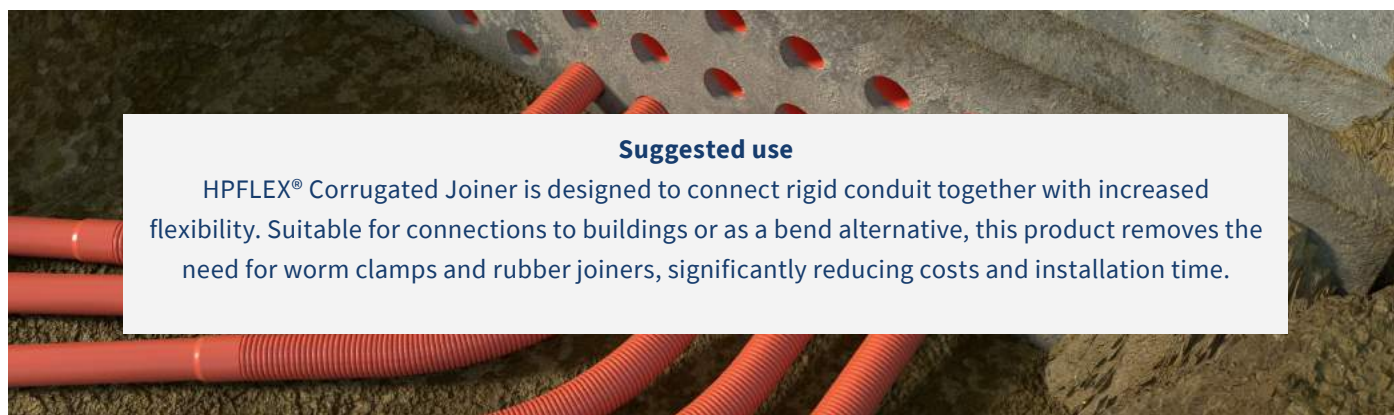
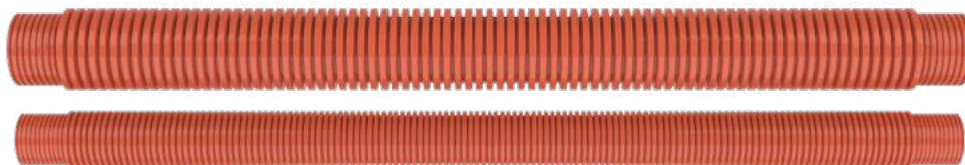
¹ Ø100 Spigot outer diameter fits into a standard 100mm rigid conduit bell.

² Ø150 spigot outer diameter fits into a standard 150mm rigid conduit bell.

³ Dimensions are approximate as shrinkage can occur after production.

TYPE	PART NUMBER	DESCRIPTION
Ø100	HPPCJ100	HPFLEX® Heavy Duty Electrical Corrugated Joiner 100mm x 2.1m - Orange
	HPPCJ100W	HPFLEX® Heavy Duty Electrical Corrugated Joiner 100mm x 2.1m White
Ø150	HPPCJ150	HPFLEX® Heavy Duty Electrical Corrugated Joiner 150mm x 2.1m Orange
	HPPCJ150W	HPFLEX® Heavy Duty Electrical Corrugated Joiner 150mm x 2.1m White

Additional Images



Suggested use

HPFLEX® Corrugated Joiner is designed to connect rigid conduit together with increased flexibility. Suitable for connections to buildings or as a bend alternative, this product removes the need for worm clamps and rubber joiners, significantly reducing costs and installation time.

Installation Examples



80mm Fittings

XL SERIES / Couplings & Reducers

HPFLEX® 80mm Corrugated Conduit dimensions differ from 80mm rigid conduit. We have created a range of 80mm fittings to allow connection between corrugated conduit and rigid conduit. Our 80mm fittings are made in Australia from heavy duty PVC.



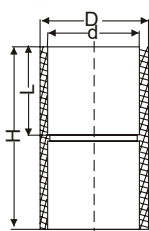
EXTREME UV (T) STABILISATION



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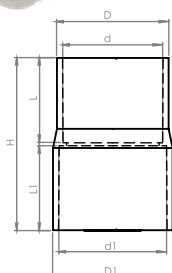
XL SERIES

Solid Coupling - 80mm

HP Profiles' solid couplings are for connecting between 80mm corrugated conduit and 80mm corrugated conduit.

Product Codes and Dimensions

PART NUMBER	TYPE	QTY/BOX	D (mm)	d (mm)	L (mm)	H (mm)
HPPSC80	Ø80	1	99.4	89.4	73	148



MADE IN AUSTRALIA

Transition Coupling - 80mm

HP Profiles' transition couplings are used for transitioning between 80mm corrugated conduit and 80mm rigid conduit.

Product Codes and Dimensions

PART NUMBER	TYPE	QTY/BOX	D (mm)	d (mm)	L (mm)	D1 (mm)	d1 (mm)	H (mm)
HPPTC80	Ø80	2	99.9	88.95	75.3	106.93	95.88	153.61

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