

# PPFLEX®

Flexible Corrugated Conduit - Polypropylene



**MANUFACTURED  
IN AUSTRALIA**



**450N TO 1250N  
AVAILABLE ON  
REQUEST**



**2J IMPACT  
RESISTANCE**



**UV STABILISED**

**PPFLEX®** is our polypropylene electrical corrugated conduit made locally in Australia.

Polypropylene (PP) is a tough thermoplastic with anti-oxidant and UV stabilisation. Polypropylene exhibits an excellent balance of properties including high impact strength, better stress crack resistance and high toughness. Polypropylene has excellent resistance to diluted and concentrated acids, alcohols and bases.

Our **PPFLEX®** is available in split, allowing for easy application to pre-installed cables.

*PPFLEX® is a made-to-order product with limited stock availability.*

<b>PROPERTIES</b>	Non-Split	Split
<b>Material</b>	Polypropelene	Polypropelene
<b>Rated Duty</b>	Available on Request	-
<b>Colour</b>	Black RAL 9011	Black RAL 9011
<b>B.E.P Certified</b>	-	-
<b>Flame Resistance</b>	UL94-V2 on request	UL94-V2 on request
<b>Lead Free</b>	Yes	Yes
<b>Dielectric Strength</b>	20 - 28 kV/mm	20 - 28 kV/mm
<b>Halogen Free</b>	Yes	Yes
<b>UV Ageing Resistance</b>	> 10 years	> 10 years
<b>Rodent repellent</b>	Not attractive to rodents	Not attractive to rodents
<b>Country of Manufacture</b>	Australia	Australia
<b>SPECIFICATIONS</b>		
<b>Compression Strength</b>	450N to 1250N Available on Request	-
<b>Impact Resistance</b>	2J	-
<b>UV Resistance</b>	2% Carbon Black	2% Carbon Black
<b>Minimum Working Temperature</b>	-10°C	-10°C
<b>Maximum Working Temperature</b>	+65°C	+65°C
<b>Resistance to Bending</b>	Flexible	Flexible

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.

## Product Codes and Dimensions

### Non-Split

TYPE	PART NUMBER	DESCRIPTION
Ø25	HPP-PP2510	PPFLEX® Polypropylene Electrical Corrugated Conduit Roll 25mm x 10m
	HPP-PP2520	PPFLEX® Polypropylene Electrical Corrugated Conduit Roll 25mm x 20m
	HPP-PP2550	PPFLEX® Polypropylene Electrical Corrugated Conduit Roll 25mm x 50m
Ø32	HPP-PP3210	PPFLEX® Polypropylene Electrical Corrugated Conduit Roll 32mm x 10m
	HPP-PP3225	PPFLEX® Polypropylene Electrical Corrugated Conduit Roll 32mm x 25m
Ø40	HPP-PP4010	PPFLEX® Polypropylene Electrical Corrugated Conduit Roll 40mm x 10m
	HPP-PP4025	PPFLEX® Polypropylene Electrical Corrugated Conduit Roll 40mm x 25m
Ø50	HPP-PP5010	PPFLEX® Polypropylene Electrical Corrugated Conduit Roll 50mm x 10m
	HPP-PP5025	PPFLEX® Polypropylene Electrical Corrugated Conduit Roll 50mm x 25m

### Split

TYPE	PART NUMBER	DESCRIPTION
Ø25	HPP-PP2510S	PPFLEX® Split Polypropylene Electrical Corrugated Conduit Roll 25mm x 10m
	HPP-PP2520S	PPFLEX® Split Polypropylene Electrical Corrugated Conduit Roll 25mm x 20m
	HPP-PP2550S	PPFLEX® Split Polypropylene Electrical Corrugated Conduit Roll 25mm x 50m
Ø32	HPP-PP3210S	PPFLEX® Split Polypropylene Electrical Corrugated Conduit Roll 32mm x 10m
	HPP-PP3225S	PPFLEX® Split Polypropylene Electrical Corrugated Conduit Roll 32mm x 25m
Ø40	HPP-PP4010S	PPFLEX® Split Polypropylene Electrical Corrugated Conduit Roll 40mm x 10m
	HPP-PP4025S	PPFLEX® Split Polypropylene Electrical Corrugated Conduit Roll 40mm x 25m
Ø50	HPP-PP5010S	PPFLEX® Split Polypropylene Electrical Corrugated Conduit Roll 50mm x 10m
	HPP-PP5025S	PPFLEX® Split Polypropylene Electrical Corrugated Conduit Roll 50mm x 25m

TYPE (NOMINAL)	OUTER DIAMETER (mm)	INNER DIAMETER (mm)	STD COIL LENGTH (m)
Ø25	25 (+0, -0.4)	16.5	10, 20, 50
Ø32	32 (+0, -0.4)	22	10, 25
Ø40	40 (+0, -0.4)	32	10, 25
Ø50	50 (+0, -0.5)	36	10,25

Alternative diameters and coil lengths are available on request.

#### Ideal uses

PPFLEX® Corrugated conduit is ideal for general electrical work requiring the concealment and protection of electrical cables. Due to its black colour it is suitable for above ground installations where a reduction of visibility is desired from the installer or customer.