

HPFLEX® SOLAR HEAVY DUTY

Pliable Electrical Solar Corrugated Conduit - uPVC



HPFLEX® SOLAR BLACK



MANUFACTURED
IN AUSTRALIA



B.E.P CERTIFIED



1250N
COMPRESSION
STRENGTH



6J IMPACT
RESISTANCE



EXTREME UV (T)
STABILISATION

HPFLEX® Solar is our corrugated conduit designed for solar installations. Manufactured in Australia with extreme UV stabilisation. with a 25-Year limited warranty*.

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

Our conduit conforms to AS/NZS 2053.5-2001 and is manufactured from B.E.P certified uPVC. **HPFLEX®** Solar is suitable for residential or commercial PV installations where protection and concealment of electrical cables from a PV solar system is required.

PROPERTIES

Material	uPVC
Rated Duty	Heavy-duty
Colour	Light Grey RAL 7035 Black RAL 9011
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	IEC 61386-22:2021 4.4.2.1 AS/NZS 5033:2012
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Product Codes and Dimensions

Grey

TYPE	PART NUMBER	DESCRIPTION
Ø25	HPPSOLARHDT2550	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 25mm x 50m - Grey
Ø32	HPPSOLARHDT3225	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 32mm x 25m - Grey
Ø40	HPPSOLARHDT4025	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 40mm x 25m - Grey
Ø50	HPPSOLARHDT5025	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 50mm x 25m - Grey
Ø63	HPPSOLARHDT6310	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 63mm x 10m - Grey

Black

TYPE	PART NUMBER	DESCRIPTION
Ø25	HPPSOLARBLKHDT2550	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 25mm x 50m - Black
Ø32	HPPSOLARBLKHDT3225	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 32mm x 25m - Black
Ø40	HPPSOLARBLKHDT4025	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 40mm x 25m - Black
Ø50	HPPSOLARBLKHDT5025	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 50mm x 25m - Black
Ø63	HPPSOLARBLKHDT6310	HPFLEX® Solar H/Duty Electrical Corrugated Conduit Roll 63mm x 10m - Black

NOMINAL (mm)	OUTER DIAMETER (mm)	INNER DIAMETER (mm)	WORKING BENDING RADIUS (mm)	STD COIL LENGTH (m)
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

Our conduits are available in custom coil lengths on request.

Ideal uses

Static Commercial or Residential PV Installations

Compatible with

Our PVC Fittings range pg. 28

*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.