

HPFLEX® • UPVC • CORRUGATED CONDUIT

# HPFLEX® Heavy Duty Electrical Corrugated Conduit

Australian-made Heavy Duty uPVC corrugated conduit in orange, with 1250N compression strength, 6J impact resistance and a 25-Year Limited Warranty.\*

Extreme UV (T)

Heavy Duty

Pliable

100% Australian Made

Lead Free

B.E.P Certified

Manufactured in Australia. 100% Australian owned and operated since 1995.

MADE IN AUSTRALIA

IMPACT

6J

Impact classification

COMPRESSION

1250N

Compressive strength

UV CLASS

Extreme (T)

Weathering exposure

WORKING RANGE

-5 → +60°C

Ambient, continuous

## OVERVIEW

HPFLEX® Heavy Duty Corrugated Conduit is manufactured in Australia and covered by our 25-Year Limited Warranty\*. It conforms to AS/NZS 61386.22:2022 and is manufactured with B.E.P certified material.

Unplasticised PVC is a cost-effective polymer with high resistance to impact, water, weather, chemicals and corrosive environments. HPFLEX® Heavy Duty is Extreme UV (T) stabilised to ensure strength and stability under Australia's harsh UV exposure.

Its orange colour and high compression strength identify it as Heavy Duty electrical conduit, suited to underground installations requiring the concealment and protection of electrical cables.

STANDARDS • Ø20 TO Ø80

AS/NZS 61386.22:2022 4421

AS 61386.1:2015 inc A1:2019

Conduit systems for cable management: pliable conduit systems. Code 4421 declares heavy compression (1250N), 6J impact, -5°C to +60°C working range.

IDEAL USES

Protection of underground electrical cables and installations.

COMPATIBLE WITH

Our PVC Fittings Range.

## CHARACTERISTICS

|                          |                               |
|--------------------------|-------------------------------|
| Product Code             | HPPCH                         |
| Material                 | uPVC                          |
| Rated Duty               | Heavy-Duty                    |
| Impact Resistance        | 6J                            |
| Compression Strength     | 1250 N                        |
| UV Classification        | Extreme UV (T)                |
| Min. Working Temperature | -5°C                          |
| Max. Working Temperature | +60°C                         |
| Resistance to Bending    | Pliable                       |
| Flame Performance        | Non-flame prop. (UL94-V0)     |
| Dielectric Strength      | 10 - 40 kV/mm                 |
| Colour                   | Orange / Grey / White / Black |
| B.E.P Certified          | Yes                           |
| Lead Free                | Yes                           |
| Halogen Free             | No                            |
| Ageing Resistance        | > 25 years                    |
| Rodent Repellent         | Not attractive to rodents     |
| Country of Manufacture   | Australia                     |

\*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

| NOMINAL | PART NUMBER | DESCRIPTION                                                              |
|---------|-------------|--------------------------------------------------------------------------|
| Ø20     | HPPCH2010   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 20mm x 10m         |
| Ø20     | HPPCH2020   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 20mm x 20m         |
| Ø20     | HPPCH2050   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 20mm x 50m         |
| Ø25     | HPPCH2510   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 25mm x 10m         |
| Ø25     | HPPCH2520   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 25mm x 20m         |
| Ø25     | HPPCH2550   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 25mm x 50m         |
| Ø32     | HPPCH3210   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 32mm x 10m         |
| Ø32     | HPPCH3225   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 32mm x 25m         |
| Ø40     | HPPCH4010   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 40mm x 10m         |
| Ø40     | HPPCH4025   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 40mm x 25m         |
| Ø50     | HPPCH5010   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 50mm x 10m         |
| Ø50     | HPPCH5025   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 50mm x 25m         |
| Ø63     | HPPCH6310   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 63mm x 10m         |
| Ø80     | HPPCH8010   | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 80mm x 10m         |
| Ø80     | HPPCH8010G  | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 80mm x 10m — Grey  |
| Ø80     | HPPCH8010W  | HPFLEX® Heavy-Duty Electrical Corrugated Conduit Roll 80mm x 10m — White |
| Ø100    | HPPCJ100    | HPFLEX® Heavy-Duty Corrugated Joiner                                     |
| Ø150    | HPPCJ150    | HPFLEX® Heavy-Duty Corrugated Joiner                                     |

NOTE • Ø100 / Ø150

Ø100 and Ø150 are available only as a Corrugated Joiner, not as conduit rolls. See the Corrugated Joiner Datasheet.

DIMENSIONS

| NOMINAL | OUTER Ø (MM) | INNER Ø (MM) | BEND RADIUS (MM) | COIL LENGTHS (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               |

All conduit supplied in Orange unless noted. Ø80 nominal diameter is measured from internal diameter. Custom coil lengths available on request.

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