

PEFLEX®

Flexible Electrical Corrugated Conduit - High-density Polyethelene



PEFLEX® is our High-density polyethelene electrical corrugated conduit. Made in Australia and available in split for easy installation on pre-installed cables.

- Light in weight and easy to handle compared to other materials.
- High impact strength
- Good resistance to low temperatures
- Good chemical resistance and impervious to water

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



**MANUFACTURED
IN AUSTRALIA**



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



**2J IMPACT
RESISTANCE**



UV STABILISED

| PROPERTIES | Non-Split | Split |
|-------------------------------|---------------------------------------|---------------------------|
| Material | High-density Polyethelene | High-density Polyethelene |
| Rated Duty | - | - |
| Colour | Black RAL 9011 | Black RAL 9011 |
| B.E.P Certified | - | - |
| Flame Resistance | UL94-HB on request | UL94-HB on request |
| Lead Free | Yes | Yes |
| Dielectric Strength | 17 - 24 kV/mm | 17 - 24 kV/mm |
| Halogen Free | Yes | Yes |
| UV Ageing Resistance | > 10 years | > 10 years |
| Rodent repellent | Not attractive to rodents | Not attractive to rodents |
| Country of Manufacture | Australia | Australia |
| SPECIFICATIONS | | |
| Compression Strength | 450N to 1250N Available on Request | - |
| Impact Resistance | 2J | - |
| UV Resistance | 2% Carbon Black | 2% Carbon Black |
| Minimum Temperature | -50°C | -50°C |
| Maximum Temperature | +70°C | +70°C |
| Resistance to Bending | 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-PE2510 | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 25mm x 10m |
| | HPP-PE2520 | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 25mm x 20m |
| | HPP-PE2550 | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 25mm x 50m |
| Ø32 | HPP-PE3210 | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 32mm x 10m |
| | HPP-PE3225 | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 32mm x 25m |
| Ø40 | HPP-PE4010 | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 40mm x 10m |
| | HPP-PE4025 | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 40mm x 25m |
| Ø50 | HPP-PE5010 | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 50mm x 10m |
| | HPP-PE5025 | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 50mm x 25m |

Split

| TYPE | PART NUMBER | DESCRIPTION |
|------|-------------|---|
| Ø25 | HPP-PE2510S | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 25mm x 10m |
| | HPP-PE2520S | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 25mm x 20m |
| | HPP-PE2550S | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 25mm x 50m |
| Ø32 | HPP-PE3210S | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 32mm x 10m |
| | HPP-PE3225S | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 32mm x 25m |
| Ø40 | HPP-PE4010S | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 40mm x 10m |
| | HPP-PE4025S | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 40mm x 25m |
| Ø50 | HPP-PE5010S | PEFLEX® High-density Polyethelene Electrical Corrugated Conduit Roll 50mm x 10m |
| | HPP-PE5025S | PEFLEX® High-density Polyethelene 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) | 28.3 | 10, 25 |
| Ø50 | 50 (+0, -0.5) | 36 | 10,25 |

Alternative diameters and coil lengths are available on request.

Ideal uses

PEFLEX® Split is ideal for the concealment and protection of pre-installed 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.