

  
**uPVC Conductive Duct - Power****Product Description**

Emtelle uPVC Conductive range of products are designed, manufactured, and supplied within an Integrated Management System, incorporating internationally recognised Standards including ISO9001, ISO14001 and ISO18001.

The Con-Duct range of products enables rapid traceability of cable sheath faults within a ducted network.

**Application**

Traditionally, if a fault was detected on a length of cable, engineers would typically have to dig down to the cable at the halfway mark and use a tester to determine which half was defective. The process was repeated until a short enough section of cable was reached to repair the fault.

Con-duct connectors are short uPVC Duct spigot and socket sections which are encapsulated with a specifically developed “electro conductive” coating. The system allows the connectors to act as an earthing point from the fault to ground, as the current is conducted from inside to outside of the duct via the Con-Duct connector.

In addition to individual connectors, the same fault-finding ability can be achieved by coating the spigot end of any PVC Duct with the same “electro conductive” coating.

The coating enables the location of the cable sheath fault through use of industry standard cable tracing / fault detection equipment.

All products within the range are designed to comply with ENATS 12-24 Industry Standard.

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## Types & Sizes

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### Interference Fit (IF) Coupler

- Providing an IP4X rated socket joint once connected.
- Available in standard sizes from Ø38mm up to and including Ø250mm. Class 1 only.
- For information on the full range of standard sizes available see specification EF450-014.



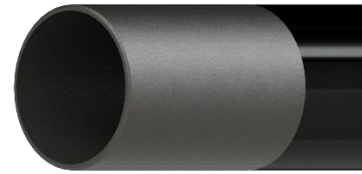
### Interference Ring Seal (IRS) Coupler

- Providing an IP-68 rated socket joint once connected.
- Available in the following sizes: Ø110mm, Ø160mm, Ø200mm Ø225mm & Ø250mm. Class 1 only.
- For additional information on Emtelle' Interference Ring Seal (IRS) Ducts see specification EF450-019.



### uPVC Power Duct

- Sizes range from Ø38mm up to and including Ø250mm (Class 1 & 2), all can be supplied with a coated spigot.
- For information on the full range of standard sizes available see specification EF450-014.
- Power duct with an Interference Ring Seal (IRS) socket is only available in Ø110mm, Ø160mm, Ø180mm, Ø200mm, Ø225mm & Ø250mm



## Colours

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Standard colour is **Black**.

*Other colours available upon request.*

## Standard Dimensions & Pack Quantities

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Nominal OD / ID	Class	Interference Fit Socket	Interference Ring Seal Socket	Lengths per pallet
110 / 102	1	✓	✓	90
160 / 150	1	✓	✓	39
180 / 169	1	✓	✓	28
200 / 188	1	✓	✓	25
225 / 213	1	✓	✓	18
250 / 237	1	✓	✓	16

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