

 **PowerProtect<sup>+</sup>**  
**Multipath**  
(Cable Management System)



### Product Description

Emtelle uPVC Multipath Duct is designed, manufactured and supplied within an Integrated Management System, incorporating internationally recognised Standards including ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018.

Multipath is a one pass cable management system which eliminates the need to winch in sub-duct and comprises:

- 1 x Ø110mm PVC outer duct, 6.6m in length with parallel socket at one end.
- 4 x Ø33mm PVC inner ducts, plain ended with internal and external chamfers.
- 1 x Moulded coupling body, encapsulating the inner ducts to connect adjoining lengths..

### Application

All inner and outer ducts are manufactured to comply with BS EN 61386 (450N class).

The coupling body is located within the parallel socket of the outer duct and held securely in place by stainless steel barbed clips. Inner ducts are located and supported inside the outer duct using moulded spacers evenly spaced throughout, and by a full face locking spacer at the spigot end.

The coupling body is manufactured with Ring Seals for both inner and outer ducts providing a cable management system which is watertight, and airtight.

Rope placement is by a purpose made blowing gun. For additional info on rope blowing see Specification E450-032 Rope Blowing Safety Guidelines.

Multipath Cable management systems are suitable for the following applications: Telecommunication cables, Data Transfer cables, Pilot cables, Intelligent Transport Systems (ITS), Digital Termination Systems (DTS) and Motorway Communications.



Duct systems are printed with standard markings, including any additional information required by the customer, to give durability and traceability after installation.

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## Material & Technical data

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Raw Materials are PVC resin and other additives suitable for the required properties of the finished product.

## Colours

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Standard colour for the outer duct is **Green**. Colours for the inner ducts vary depending on requirements.

*Other colours available upon request.*

Colour fastness and UV stability for UK and Ireland only, for 6 months external storage unless otherwise agreed by customer specification.

## Standard Dimensions

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<b>Outer Duct</b>	Nominal OD = 110mm	Nominal ID = 103mm
<b>Inner Duct</b>	Nominal OD = 33.4mm	Nominal ID = 30.4mm

## Packaging and Labelling

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The duct is supplied on non-returnable wooden U-frames which are designed to be stored on even, stable ground; they must not be stored more than 3 high. Packaging should be recycled locally.

## Accessories

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The system comprises a full range of accessories:

- Standard Couplings
- Repair Kits (Un-cabled duct)
- Box Terminators
- Slip / Repair Couplings
- Repair Kits (Cabled duct)
- Expansion Joints
- Bends
- Connector Sleeves
- Expansion Plugs
- Flexible Bends
- Adaptors
- Rope Blowing gun

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