

**PowerProtect+TM**
PE Class1+ Duct - Power**Product Description**

Emtelle Solid wall Polyethylene (PE) 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.

**Application**

The duct is designed to comply with ENATS 12-24, Issue 3 (2014): Class 1+ Industry Standard.

Duct can be supplied in SDR11 & SDR17 versions, both of which are suitable for shallow depth burial installations. SDR11 duct can be used for aggressive installation methods such as Horizontal Directional Drilling (HDD).

The duct is printed with standard markings, plus any additional information required by the customer, to give durability and traceability after installation. Up to 3 lines of print 120° apart is possible.



All duct sizes are 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. Duct from 90mm OD up to 180mm OD can be supplied in coiled lengths.

Material & Technical data

Only virgin PE100 HDPE material is used to ensure that the final product conforms to the material requirements as specified in ENATS 12-24, Issue 4 (2021): Class 1+ duct.

Emtelle wall thicknesses are tighter than regulatory tolerances ensuring that lipping is reduced and improving the overall quality of joints. This reduces the likelihood of cable damage during installation.

The duct is designed to enable standard industry jointing methods such as Butt-fusion welding, Electrofusion, Push Fit Couplers and Mechanical Fittings.

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Colours

Colour fastness and UV stability for UK and Ireland only, for 12 months external storage unless otherwise agreed by customer specification.

Standard colours are **Black & Red Skinned**.

Other colours available upon request.

Standard Dimensions & Product Codes

Nominal OD / ID	SDR	Coiled Lengths	Straight Lengths
75mm / 60.7mm	11	50/100/125/150	6m, 12m
75mm / 65.4mm	17	50/100/125/150	6m, 12m
90mm / 72.9mm	11	50/100/125/150	6m, 12m
90mm / 78.6mm	17	50/100/125/150	6m, 12m
110mm / 89.2mm	11	50/100/125/150	6m, 12m
110mm / 96.1mm	17	50/100/125/150	6m, 12m
125mm / 101.4mm	11	50/100/125/150	6m, 12m
125mm / 109.5mm	17	50/100/125/150	6m, 12m
140mm / 113.6mm	11	50/100/125	6m, 12m
140mm / 122.6mm	17	50/100/125	6m, 12m
160mm / 129.8mm	11	50/100/125	6m, 12m
160mm / 140.2mm	17	50/100/125	6m, 12m
180mm / 146.2mm	11	50/100	6m, 12m
180mm / 157.7mm	17	50/100	6m, 12m
200mm / 162.6mm	11	Not Available	6m, 12m
200mm / 175.2mm	17	Not Available	6m, 12m
225mm / 182.9mm	11	Not Available	6m, 12m
225mm / 197.2mm	17	Not Available	6m, 12m
250mm / 203.5mm	11	Not Available	6m, 12m
250mm / 219.4mm	17	Not Available	6m, 12m
280mm / 227mm	11	Not Available	6m, 12m
280mm / 245mm	17	Not Available	6m, 12m
315mm / 254mm	11	Not Available	6m, 12m
315mm / 276mm	17	Not Available	6m, 12m
355mm / 288mm	11	Not Available	6m, 12m
355mm / 311mm	17	Not Available	6m, 12m
400mm / 324mm	11	Not Available	6m, 12m
400mm / 351mm	17	Not Available	6m, 12m
450mm / 364mm	11	Not Available	6m, 12m
450mm / 422mm	17	Not Available	6m, 12m

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500mm / 405mm	11	Not Available	6m, 12m
500mm / 438mm	17	Not Available	6m, 12m
560mm / 458mm	11	Not Available	6m, 12m
560mm / 494mm	17	Not Available	6m, 12m
630mm / 515.5mm	11	Not Available	6m, 12m
630mm / 555.9mm	17	Not Available	6m, 12m
710mm / 580.9mm	11	Not Available	6m, 12m
800mm / 654.6mm	11	Not Available	6m, 12m
*Longer lengths or coiled duct are possible.			
* Other SDR ratios can be made available upon request.			

Packaging and Labelling

All products suitably packaged in recyclable materials and clearly labelled with Emtelle Product Code and Description where possible.

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