



TwinWall is a high quality main duct system providing excellent cable protection and fast underground installation of telecommunications and utility networks.

Corrugated on the outside, smooth on the inside, Twin Wall HDPE duct has a high static and dynamic load bearing capacity combined with high impact resistance.

The smooth inner bore combined with the lower frictional co-efficient of HDPE, reduces the effort required to install long lengths of sub-duct and cable.

FEATURES

- Fast and easy installation
- Resistance to compression type 450N as standard and 750N (sticks only)
- Lightweight with high ring stiffness
- Flexible - less joints required
- Easily repaired
- Environmentally friendly
- Can be customised to meet user requirements
- Full range of bends, fittings & accessories

The inherent flexibility of Radius HDPE TwinWall duct allows high speed building and significantly reduces the number of bends required during construction, particularly for local loops.

Installation

Compatible with existing network infrastructure, Radius TwinWall duct system is suitable for:

- Direct burial
- Trenching
- 250mm-450mm below footpath
- 600mm-750mm below roadway

Packaging

TwinWall duct is available in:

- Rigid lengths (6m)
- Coils (25m, 50m)

HDPE is also less brittle than PVC and is easily recycled.

When specified, we can supply a full O-ring sealing system to prevent the ingress of silt and water.

Colours

A full range of standard solid and stripe colours are available and can be customised to meet user requirements.

Standard Colours





Main Duct Systems

TWINWALL DUCTING

Standard Dimensions

| O.D. / I.D. (mm) | Standard Length (mm) | Lengths per Pack | Packs per Load | Quantity per Load (m) | Note |
|------------------|----------------------|------------------|----------------|-----------------------|---|
| 268/225 | 6 | 14 | 8 | 672 | Coupler sold separately |
| 178/150 | 6 | 36 | 12 | 2592 | Kitemark, BBA approved, ENATS 12-24 Certification |
| 160/137 | 6 | 39 | 12 | 2208 | BBA approval pending |
| 160/137 | 25 | Coil | 80 | 2000 | BBA approval pending |
| 145/125 | 6 | 68 | 8 | 2688 | BSI Kitemark, BBA approved, ENATS 12-24 Certification |
| 118/100 | 6 | 99 | 8 | 4752 | BSI Kitemark, BBA approved, ENATS 12-24 Certification |
| 110/94 | 6 | 110 | 8 | 5280 | BSI Kitemark, BBA approved |
| 110/94 | 50 | Coil | 70 | 3500 | BSI Kitemark, BBA approved |
| 105/89 | 6 | 120 | 8 | 5760 | |
| 63/50 | 6 | 108 | 8 | 5184 | BSI Kitemark |
| 63/50 | 50 | Coil | 192 | 9600 | BSI Kitemark |

Duct Marking

Standard TwinWall duct lengths are imprinted as follows:

Radius, size, batch number and sequential cumulative metre count.

Coils are imprinted at 1 metre intervals.

Electricity TwinWall is printed "Electric Cable". ENATS C2 Twinwall is printed in accordance to ENATS 12 24.

Fittings & Accessories

Each length of duct is supplied with a connector for joining ducts.

In addition, a comprehensive range of cable and duct accessories is available including fittings, connectors, sealing systems, lubricant, duct organisers, repair kits and access chambers. Please refer to our fitting and accessories guide for detailed information.

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Quality Assurance

Radius TwinWall duct is kitemarked to BS EN 61386-24. We also have BBA approval for 110, 118 and 178mm and third party ENATS 12-24 certification for 118, 145 and 178mm.

Radius products are manufactured and tested to international and customer standards.

The company has been licensed by the British Standards Institute since July 1989 and operates a Total Quality Policy and Certified Quality System in accordance with BS EN ISO 9001:2008.

