

Main Duct Systems

TWINWALL DUCTING



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, TwinWall 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 coefficient 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, 750N optional (sticks only)
- Lightweight with high ring stiffness
- Flexible - less joints required
- Easily repaired
- Environmentally friendly
- Can be customised to meet user requirements
- Fast and easy installation

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. 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.

Installation

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

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

Colours & Print

A full range of standard solid colours is available. Print can be customised to meet user requirements, subject to minimum quantities.

Standard Colours



Packaging

TwinWall duct is available in:

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



The information provided in this document is believed to be correct at the time of issue. Radius reserves the right to change this specification without prior notice. This specification is not contractually valid unless specifically authorised by Radius. Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to Radius' Terms of Sale.

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Standard Dimensions

Nominal O.D./ I.D.(mm)	Standard Length	Lengths/ Coils per pack	Packs per load	Qty per load	Notes
63/50	50m coil	6	45	13,500m	BSI Kitemark
63/50	6m	108	24	15,552m	BSI Kitemark
110/94	50m coil	5	17	4,250m	BSI Kitemark, BBA approved
110/94	6m	100	12	7,200m	BSI Kitemark, BBA approved
118/100	6m	81	12	5,832m	BSI Kitemark, BBA approved, ENA TS 12-24 Certification
145/125	6m	53	12	3,816m	BSI Kitemark, BBA approved, ENA TS 12-24 Certification
160/137	6m	39	12	2,808m	BSI Kitemark, BBA approval pending
160/137	25m coil	5	20	2,000m	BSI Kitemark, BBA approval pending
160/137	50m coil	4	6	1,200m	BSI Kitemark, BBA approval pending
178/150	6m	36	12	2,592m	BSI Kitemark, BBA approved, ENA TS 12-24 Certification
268/225	6m	14	12	1,008m	BSI Kitemark, coupler sold separately, ENA TS 12-24 compliant

Duct Marking

Standard TwinWall duct lengths are printed as follows:

Radius, size, batch number and sequential cumulative metre count. Coils are printed at one metre intervals.

Electricity TwinWall is printed "Electric Cable".

ENATS C2 Twinwall is printed in accordance to ENA TS 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 bends, connectors, sealing systems, lubricant, duct organisers, repair kits and access chambers.

Please refer to our fitting and accessories guide for detailed information.

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 ENA TS 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.

Accreditations:

