

Low Friction Subduct

HDD & Mole Plough Subduct



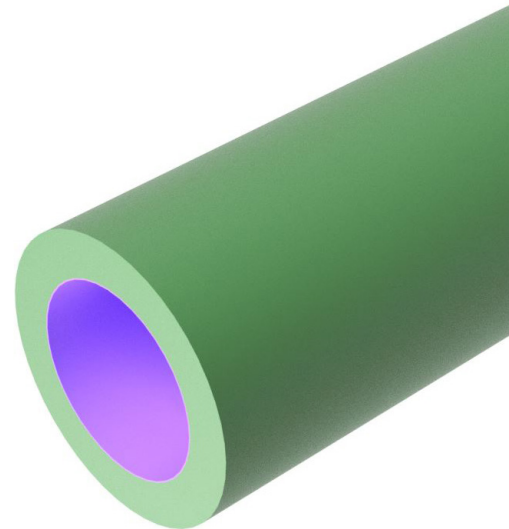
Description

Radius high performance low friction HDPE (High Density Polyethylene) subduct provides excellent cable protection and management for underground and aerial networks.

This duct is suitable for directional drilling and mole ploughing applications where increased cable protection is required.

Engineered for ease of installation and durability, low friction duct allows fast, safe and efficient network construction, maintenance and upgrade.

Providing long-term reliability and reduced overall network costs, Radius low friction duct is a smart choice for your network.



Dimensions & Material

O.D Nominal (mm)	I.D Nominal (mm)	Weight (g/m)	Min Bend Radius (mm)	Max Continuous Tensile (N)
18.0	12.0	137	450	1400
20.0	14.0	156.7	500	1600
25.0	17.0	253	625	2700
31.0	25.0	237	930	2700
32.0	20.0	465	960	5000
32.0	24.0	336	960	3600

Material	Extruded from polyethylene with density >945kg/m ³ - BS2782-620A-620D The low friction, solid co-extruded inner layer shall be an inert polymeric compound
Inner Wall	Smooth wall as standard - ribbed wall optional
Low friction	A solid layer of lubricant is evenly distributed on the inner wall by co-extrusion providing a permanent low friction surface for the life of the duct. Our low coefficient of friction values <0.05 allow long installation distances of delicate fibre optic cable by pulling or blowing.
Colour	Solid, different colours available Stripe option available
Operating Temperatures	Transport, Storage and Installation -10°C to +50°C Service -20°C to +60°C
Ovality	3% production 5% on drum

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Tests

Test	Test Standard*
Tensile Performance	Subduct tensile tested to a minimum axial load of 1.4kN without exceeding 18mm elongation.
Compression Resistance	The subduct shall achieve a minimum of 1600 kPa compression resistance at 15% deflection.
Impact Resistance	The subduct shall withstand a minimum of 90J impact load (at -20°C) without cracking or splitting.

(* Tested according to Radius In-House Standard (Low Friction Cable Duct - RAD001 - Iss 10)

Marking

The following print (hot foil) is applied at 1-meter intervals:

- RADIUS
- Product Description (e.g OD/IDmm)
- Batch Number
- Meter Count
- Line Number

Customer specific print is optional

Packing

Duct will be shipped on metal drums. Duct end will be capped off.

Delivery Lengths

Available in 1000m drum as standard. In case of multi-way drum e.g. 4 way, this would be supplied in 4x250m sections. Other lengths available. Drum lengths to be agreed at the time of order.