

Low Friction Subduct

50/43mm Direct Install



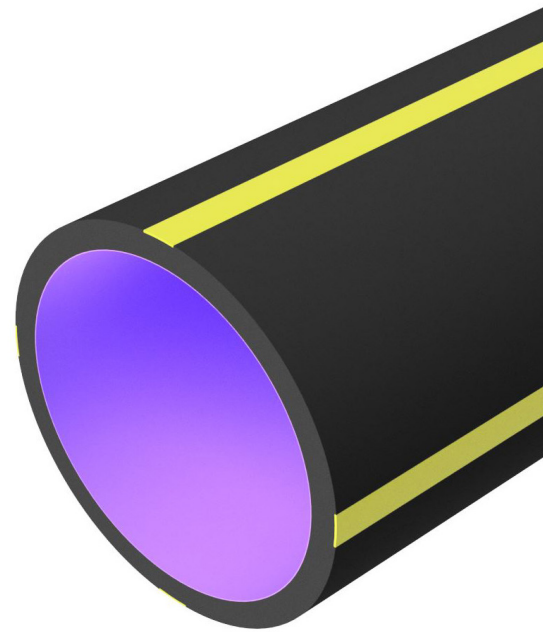
Description

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

Radius 50/43mm Duct is suitable for installation as a subduct in a protective main duct. With permanent low friction solid inner lining for optimised cable installation.

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

- Low friction, pre-lubricated, permanent solid internal polymer coating
- Designed for cable blowing & pulling
- High performance in complex installations (eg. many bends & gradients)
- Pre-roped, pre-taped or pre-cabled optional
- Can be supplied as single tube, 2 way, 3 way or 4 way
- Excellent chemical & weathering resistance
- Colour and Number coded for ease of identification
- Can be customised to meet user requirements

O.D/I.D Nominal (mm)	O.D Min-Max (mm)	Wall Min- Max (mm)	Weight (g/m)	Min Bend Radius (mm)	Max Continuous Tensile (N)	Max Instantaneous Tensile (N)	Max Pressure (bar)
50/43	50.0-50.4	3.3-3.7	485	1500	5300	7600	16

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

Tests

Test	Test Standard*
Tensile Performance	Subduct tensile tested to 5.3kN axial load without exceeding 18mm elongation.
Compression Resistance	The subduct shall achieve a minimum compression resistance of 1000kPa at 15% deflection.
Impact Resistance	The subduct shall withstand an impact of 90J (at -20°C) without cracking or splitting.

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

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Marking

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

- RADIUS
- Product Description (e.g 50/43mm)
- 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.