

# Low Friction Subduct

## Direct Install Subduct

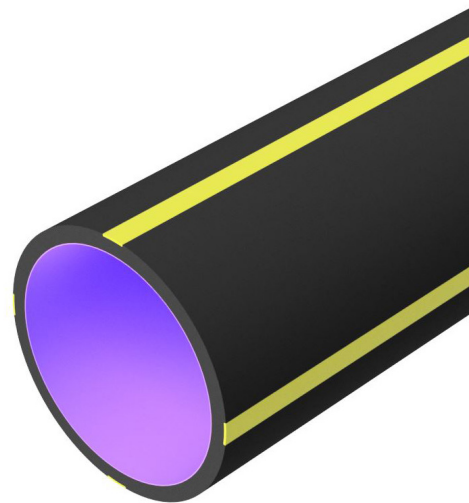


### Description

A polyethylene Subduct providing excellent cable protection and management for underground networks. These subducts are suitable for installation as a subduct in a protective main duct.

Features a permanent low friction solid inner lining for optimised blowing distances.

Option to supply with rodent repellent materials.



### Dimensions & Material

O.D Nominal (mm)	I.D Nominal (mm)	Weight (g/m)	Min Bend Radius (mm)	Max Continuous Tensile (N)
20.0	16.0	108.4	300	1300
25.0	21.0	138	750	1500
28.0	24.0	174	840	1700
32.0	27.0	201	960	2400
32.0	28.0	200	960	2000
35.0	30.0	252	1050	2600
37.0	32.0	257	1110	2800
37.0	33.0	210	1110	2280
38.0	32.0	315	1140	3400
40.0	34.0	331	1200	3600
40.0	35.0	280	1200	3050
44.0	38.0	369	1320	4000
50.0	43.0	485	1500	5300

<b>Material</b>	Extruded from polyethylene with density >945kg/m <sup>3</sup> - BS2782-620A-620D The low friction, solid co-extruded inner layer shall be an inert polymeric compound
<b>Inner Wall</b>	Smooth wall as standard - ribbed wall optional
<b>Low friction</b>	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.
<b>Colour</b>	Solid, different colours available Stripe option available
<b>Operating Temperatures</b>	Transport, Storage and Installation -10°C to +50°C Service -20°C to +60°C
<b>Ovality</b>	3% production 5% on drum

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### Tests

Test	Test Standard*
Tensile Performance	Subduct tensile tested to a minimum of 1.2kN axial load without exceeding 18mm elongation.
Compression Resistance	The subduct shall achieve a minimum of 1000kPa compression resistance at 15% deflection.
Impact Resistance	The subduct shall withstand a minimum of 60J 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.