

# Low Friction Subduct

## LSZH Subduct



### Description

A Low Smoke Zero Halogen Subduct providing excellent cable protection and management for low smoke and fire risk areas. 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             | 163          | 400                  | 570                        |
| 25.0             | 20.0             | 270          | 500                  | 880                        |
| 32.0             | 26.0             | 410          | 640                  | 1100                       |
| 40.0             | 33.0             | 617          | 800                  | 1300                       |
| 50.0             | 41.0             | 971          | 1000                 | 2100                       |
| 63.0             | 50.0             | 1765         | 1260                 | 5700                       |

|                               |   |
|-------------------------------|---|
| <b>Material</b>               | Extruded from LSZH - V2 material with density 1.5kg/m. The low friction, solid co-extruded inner layer is 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 friction values <0.05 allow long pull installation of delicate fibre optic cable by pulling or blowing. |
| <b>Colour</b>                 | White as standard, colour optional  |
| <b>Operating Temperatures</b> | Transport, Storage and Installation -10°C to +50°C<br>Service -20°C to +60°C  |
| <b>Ovality</b>                | 3% production<br>5% on drum   |

### Tests

| Test                   | Test Standard*   |
|------------------------|--|
| Tensile Performance    | Subduct tensile tested to a minimum of 0.6kN axial load without exceeding 18mm elongation.         |
| Compression Resistance | The subduct shall achieve a minimum of 700kPa compression resistance at 15% deflection.            |
| Impact Resistance      | The subduct shall withstand a minimum of 75J impact load (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 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.