# UNILOK FR1

## ACOUSTIC DUCTING

| | | INSULATED R0.6 | INSULATED R1.0 | INSULATED R1.5 |
|---|---|---|---|---|
| **Diameter (mm)** | **Length (m)** | **Order Code** | **Order Code** | **Order Code** |
| 100 | 3<br>6 | DCT1216 | DCT1268 | |
| 125 | 3<br>6 | DCT1164<br>DCT1224 | DCT1176 | |
| 150 | 3<br>6 | DCT0633<br>DCT0634 | DCT0833<br>DCT0834 | DCT3032<br>DCT2600 |
| 200 | 3<br>6 | DCT0635<br>DCT0636 | DCT0835<br>DCT0836 | DCT3033<br>DCT2601 |
| 250 | 3<br>6 | DCT0637<br>DCT0638 | DCT0837<br>DCT0838 | DCT3034 |
| 300 | 3<br>6 | DCT0639<br>DCT0640 | DCT0839<br>DCT0840 | DCT3035 |
| 350 | 3<br>6 | DCT0641<br>DCT0642 | DCT0841<br>DCT0842 | DCT3036 |
| 400 | 3<br>6 | DCT0643<br>DCT0644 | DCT0843<br>DCT0844 | DCT3037 |
| 450 | 3 | DCT0645 | DCT0845 | |
| 500 | 3 | DCT0647 | DCT0846 | |
| 550 | 3 | DCT0649 | | |
| 600 | 3 | DCT0650 | | |


Acoustic Insulated R0.6 (40mm)

Acoustic Insulated R1.0 (70mm)

UNILOK FR1 Acoustic Ducting is a flexible duct manufactured “tough” & “whisper quiet” for consumer & installer peace of mind. Unlike other types of flexible duct, UNILOK FR1 has an outer steel rib that ensures the products integrity, and correct diameter, even in the tightest bends.

Due to its steel rib, it is not prone to glue failure or fatigue (sagging or ovalisation) from vibration with age like plastic ribbed or non-ribbed glued duct.

- **Fully complies to AS4254 (2012) & AS1530 Pt3 and New Zealand Building Code.**
- Material Group Number of 1 or 1S as per NZBC.
- Designed for low noise air transfer.
- Fully flexible same mechanical construction as standard Unilok ducting.
- **DUCT CORE:** A UV resilient fire retardant 100µm black low density polyethylene perforated material mechanically locked into an outer metal helix with a copper coated spring steel wire.
- **DUCT SLEEVE:** Fire retardant 75µm black low density polyethylene and UV stabilised.
- **DUCT INSULATION:** R0.6: Polyester R0.6.
- **DUCT INSULATION:** R1.0: Polyester R1.0.
- **TEMPERATURE RANGE:** Maximum: +80˚C, Minimum: -10˚C.
- **Colour:** Black.

| **Insertion Loss, dB Octive Band Centre Frequency: Nominal 3m Length** | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample** | **125** | **250** | **500** | **1000** | **2000** | **4000** | **8000** |
| 150mm UNILOK FR1 R0.6 AI | 35.5 | 39.2 | 36.0 | 30.3 | 29.8 | 31.5 | 22.5 |
| 300mm UNILOK FR1 R0.6 AI | 33.3 | 35.9 | 27.3 | 31.0 | 28.1 | 17.0 | 12.2 |
| 400mm UNILOK FR1 R0.6 AI | 36.1 | 30.0 | 20.6 | 27.2 | 26.0 | 12.7 | 10.5 |