



Ducting

ALUDUCT Ducting

Diameter (mm)	Length (m)	NUDE	INSULATED
		Order Code	Order Code
100	1	DCT0357	
	3	DCT0328	
	6	DCT0409	
125	1	DCT0358	
	3	DCT0329	
	6	DCT0410	
150	1	DCT0359	
	3	DCT0330	DCT0088
	6	DCT0411	DCT0399
200	3	DCT0331	DCT0089
	6	DCT0412	DCT0343
250	3	DCT0332	DCT0400
300	3	DCT0350	DCT0401
350	3	DCT0415	DCT0403
400	3	DCT0417	DCT0405



Nude



Insulated

- Fully complies to AS4254 & AS4508 & AS1530 Pt3 and NZ Building Code
- **DUCT CORE** : Aluminium foil laminated onto polyester film, permanently bonded onto a corrosion resistant coated, spring steel wire helix
- **DUCT SLEEVE**: Fire retardant 75µm black low density polyethylene and UV stabilised
- **DUCT INSULATION**: AS4508 Polyester R0.6 nominal 250grams per mtr/sq 40mm thick
- **TEMPERATURE RANGE**: Maximum: +80°C : Minimum: -10°C
- **COLOUR**: Silver with black sleeve
- Download Friction Loss Graph pdf
- Download Ducting Installation Guide pdf

NOTE:

All 1 metre lengths are packed in bags with header cards, 3 metre nude duct is supplied boxed up to 250mm and all other items are supplied in colour coded bags. Click here for Ducting Colour Coding >>

No glued/adhesive duct should be installed in a compressed or ovalised state for fear of long term failure.

1. Products with the "order code" showing are generally ex. stock lines - other products are available to order

2. Should you have an ongoing requirement for an item that is not a standard stock line – PLEASE discuss with us and we will review stocking the item for you.



Ducting

UNILOK™ FR1 Ducting

Diameter (mm)	Length (m)	NUDE	INSULATED FR1 R0.6	INSULATED FR1 R1.0
		Order Code	Order Code	Order Code
100	3	DCT1133	DCT1144	
	6	DCT1198	DCT1202	
125	3	DCT1134	DCT1469	
	6	DCT1143	DCT1204	
150	3	DCT0561	DCT0583	DCT0817
	6	DCT0562	DCT0584	DCT0818
200	3	DCT0563	DCT0585	DCT0819
	6	DCT0564	DCT0586	DCT0820
250	3	DCT0565	DCT0587	DCT0821
	6	DCT0566	DCT0588	DCT0822
300	3	DCT0567	DCT0589	DCT0823
	6	DCT0568	DCT0590	DCT0824
350	3	DCT0569	DCT0591	DCT0825
	6	DCT0570	DCT0592	DCT0826
400	3	DCT0571	DCT0593	DCT0827
	6	DCT0572	DCT0594	DCT0828
450	3	DCT0573	DCT0595	DCT0829
	6	DCT0574	DCT0596	
500	3	DCT0575	DCT0597	DCT0830
	6	DCT0576		
550	3	DCT0577	DCT0599	
600	3	DCT0578	DCT0600	



Nude



Insulated R0.6 (40mm)



Insulated R1.0 (70mm)

UNILOK FR1 is a flexible duct manufactured “tough” 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 ovalization) from vibration with age like plastic ribbed or non ribbed glued duct.

- **Fully complies to AS4254 & AS4508 & AS1530 Pt3 and NZ Building Code**
- **DUCT CORE:** A UV resilient fire retardant 100µm black low density polyethylene 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:** AS4508 Polyester R0.6 nominal 250grams per mtr/sq 40mm thick
- **DUCT INSULATION R1.0:** AS4508 Polyester R1.0 nominal 450grams per mtr/sq 70mm thick
- **TEMPERATURE RANGE:** Maximum: +80°C : Minimum: -10°C
- **COLOUR:** Black
- Download Technical data pdf
- Download Ducting Installation Guide pdf

NOTE:

Click here for Ducting Colour Coding >>

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Ducting

COMFLEX™ Premium Ducting

COMFLEX PREMIUM NUDE	COMFLEX PREMIUM INSULATED
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Diameter (mm)	Length (m)	Order Code	Order Code
100	3	DCT0215	DCT0452
	6	DCT0104	
125	3	DCT0216	DCT0453
	6	DCT0160	
150	3	DCT0217	DCT0427
	6	DCT0107	DCT0428
200	3	DCT0218	DCT0429
	6	DCT0109	DCT0430
250	3	DCT0219	DCT0431
	6	DCT0421	DCT0432
300	3	DCT0111	DCT0433
	6	DCT0422	DCT0434
350	3	DCT0112	DCT0435
	6	DCT0423	DCT0436
400	3	DCT0113	DCT0437
	6	DCT0424	DCT0438



Nude



Insulated
R0.6 (40mm)

- **Fully complies to AS4254 & AS4508 & AS1530 Pt3 and NZ Building Code**
- **DUCT CORE:** Polyester film core with aluminium foil laminated onto both sides. This composite film is then permanently bonded onto a corrosion resistant coated, spring steel wire helix.
- **DUCT SLEEVE:** Fire retardant 75µm black low density polyethylene and UV stabilised.
- **DUCT INSULATION:** AS4508 Polyester R0.6 nominal 250grams per mtr/sq 40mm thick.
- **TEMPERATURE RANGE:** Nude Core - Maximum: +150°C : Minimum: -30°C
- **COLOUR:** Silver with black sleeve
- [Download Friction Loss Graph pdf](#)
- [Download Ducting Installation Guide pdf](#)

NOTE:

[Click here for Ducting Colour Coding >>](#)

No glued/adhesive duct should be installed in a compressed or ovalised state for fear of long term failure



Ducting

UNILOK™ FR1 Acoustic Ducting

INSULATED R0.6 INSULATED R1.0

Diameter (mm)	Length (m)	Order Code	Order Code
100	3	DCT1216	DCT1268
	6		
125	3	DCT1164	
	6	DCT1224	DCT1176
150	3	DCT0633	DCT0833
	6	DCT0634	DCT0834
200	3	DCT0635	DCT0835
	6	DCT0636	DCT0836
250	3	DCT0637	DCT0837
	6	DCT0638	DCT0838
300	3	DCT0639	DCT0839
	6	DCT0640	DCT0840
350	3	DCT0641	DCT0841
	6	DCT0642	DCT0842
400	3	DCT0643	DCT0843
	6	DCT0644	DCT0844
450	3	DCT0645	DCT0845
500	3	DCT0647	DCT0846
550	3	DCT0649	
600	3	DCT0650	



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 ovalization) from vibration with age like plastic ribbed or non ribbed glued duct.

- **Fully complies to AS4254 & AS4508 & AS1530 Pt3 and NZ Building Code**
- **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:** AS4508 Polyester R0.6 nominal 250grams per mtr/sq 40mm thick.
- **DUCT INSULATION R1.0:** AS4508 Polyester R1.0 nominal 450grams per mtr/sq 70mm thick.
- **TEMPERATURE RANGE:** Maximum: +80°C : Minimum: -10°C
- Download Ducting Installation Guide pdf

Sample	Insertion Loss, dB Octive Band Centre Frequency						
	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

NOTE:

Click here for Ducting Colour Coding >>

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Ducting

V-FLEX Ducting

Diameter (mm)	Length (m)	NUDE	INSULATED R0.6	INSULATED R1.0
		Order Code	Order Code	Order Code
100	3	DCT1051		
	6	DCT1050		
150	3	DCT0662	DCT0601	DCT0849
	6	DCT0663	DCT0602	DCT0850
200	3	DCT0664	DCT0603	DCT0851
	6	DCT0665	DCT0604	DCT0852
250	3	DCT0666	DCT0605	DCT0853
	6	DCT0667	DCT0606	DCT0854
300	3	DCT0668	DCT0607	DCT0855
	6	DCT0669	DCT0608	DCT0856
350	3	DCT0670	DCT0609	DCT0857
	6	DCT0671	DCT0610	DCT0858
400	3	DCT0672	DCT0611	DCT0859
	6	DCT0673	DCT0612	DCT0860
450	3	DCT0674	DCT0613	DCT0861
	6	DCT0676	DCT1107	
500	3	DCT0677	DCT0615	DCT0862
	6	DCT0678		
550	3	DCT0679	DCT0617	
600	3	DCT0680	DCT0618	



- **Fully complies to AS4254 & AS4508**
- **DUCT CORE:** Reinforced multiple layered metallised PET encapsulating copper coated spring steel wire helix. Bonded by fire retardant resin.
- **DUCT INSULATION R0.6:** AS4508 Polyester R0.6 nominal 250grams per mtr/sq 40mm thick.
- **DUCT INSULATION R1.0:** AS4508 Polyester R1.0 nominal 450 grams per mtr/sq 70mm thick.
- **DUCT SLEEVE:** Fire retardant 75µm black low density polyethylene and UV stabilised.
- **TEMPERATURE RANGE:** Maximum: +80°C : Minimum:-10°C
- **COLOUR:** Silver with black sleeve
- [Download Ducting Installation Guide pdf](#)

NOTE:

[Click here for Ducting Colour Coding >>](#)

1. Products with the "order code" showing are generally ex. stock lines - other products are available to order

2. Should you have an ongoing requirement for an item that is not a standard stock line – PLEASE discuss with us and we will review stocking the item for you.



Ducting

UNILOK™ FR1 Quadroflex Ducting

Diameter (mm)	Length (m)	NUDE	*INSULATED FR1 R0.6	*ACOUSTIC FR1 R0.6
		Order Code	Order Code	Order Code
200	3	DCT1276	DCT1300	DCT1312
	6	DCT1282	DCT1306	DCT1318
250	3	DCT1277	DCT1301	DCT1313
	6	DCT1283	DCT1307	DCT1319
300	3	DCT1278	DCT1278	DCT1314
	6	DCT1284	DCT1284	DCT1320
350	3	DCT1279	DCT1303	DCT1315
	6	DCT1285	DCT1309	DCT1321
400	3	DCT1280	DCT1304	DCT1316
	6	DCT1286	DCT1310	DCT1322
450	3	DCT1281	DCT1305	DCT1317
	6	DCT1287	DCT1311	DCT1323



Nude



FR1 Insulated R0.6 (40mm)



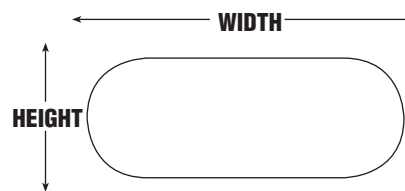
Acoustic Insulated R0.6 (40mm)

QUADROFLEX has been specifically designed to fit into false ceilings, between floors and low ground clearance applications.

Special Purpose Ovalised Ducting

- Fully complies to AS4254 & AS4508 & AS1530 Pt3 and NZ Building Code
- Fully flexible same mechanical construction as standard Unilok ducting.
- **DUCT CORE:** A UV resilient fire retardant 100µm black low density polyethylene material mechanically locked into an outer metal helix with a copper coated spring steel wire. Acoustic duct's polyethylene material is perforated.
- **DUCT SLEEVE:** Fire retardant 75µm black low density polyethylene and UV stabilised.
- **DUCT INSULATION R0.6:** AS4508 Polyester R0.6 nominal 250grams per mtr/sq 40mm thick.
- **TEMPERATURE RANGE:** Maximum: +80°C : Minimum: -10°C
- Acoustic Duct is designed for low air noise transfer.
- **COLOUR:** Black
- Download Ducting Installation Guide pdf

Equivalent Round Duct Size (mm)	Width (mm)	Height (mm)
200	260	140
250	325	160
300	380	200
350	435	240
400	470	310
450	555	320



N.B. Add approximately 80-140mm to these sizes to allow for insulation.

NOTE:

[Click here for Ducting Colour Coding >>](#)

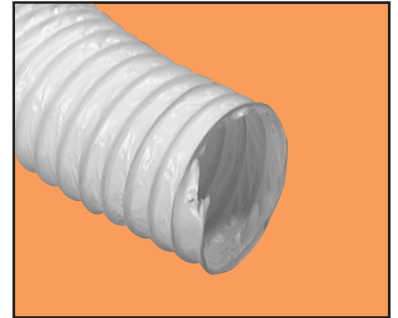
*R1 Insulated and Acoustic Insulated Quadroflex Ducting available on request



Ducting

MANROSE® PVC Flexible Ducting

Diameter (mm)	Length (m)	Pack	Order Code
100	1	Header Carded Boxed	DCT0936
	3		DCT0336
125	1	Header Carded Boxed	DCT0937
	4		DCT0337
150	1	Header Carded Boxed	DCT0938
	5		DCT0338

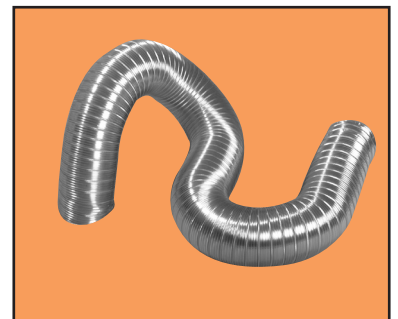


P.V.C Flexible Duct is a product that is extremely versatile in the ventilation industry. It doesn't rot, is non collapsing, is fire resistant, has an operating temperature of +6 deg to +50 deg and is available in a range of sizes from 100mm to 150mm.

- **Fully complies to AS1530 Building code**
- **DUCT CORE:** Spiral wire reinforced PVC film construction.
- Non collapsing/Non rotting
- Vapour-proof
- Fire retardant
- **TEMPERATURE RANGE:** Maximum: +50°C : Minimum:6°C
- **COLOUR:** White PVC
- Download Ducting Installation Guide pdf

SEMIDUCT Semi Rigid Ducting

Diameter (mm)	Length (m)	Pack	Order Code
100	1.5	Boxed Loose	DCT0333
	3		DCT0114
125	1.5	Boxed Loose	DCT0334
	3		DCT0115
150	1.5	Boxed Loose	DCT0335
	3		DCT0116
200	3	Loose	DCT0117
250	3	Loose	DCT0118
300	3	Loose	DCT0119
350	3	Loose	DCT0120
400	3	Loose	DCT0477



SEMIDUCT is also known as semi-rigid aluminium ducting is a lightweight, flexible but strong corrugated aluminium duct. It is spiral wound with a unique interlocked and knotted continuous seam. It is self supporting over longer lengths and generally only needs fittings or mechanics at each end for support.

- **Fully complies to the NZ Building Code**
- **DUCT CORE:** Pure aluminium spiral wound with a unique interlocked and knurled continuous seam
- Holds shape, self supporting
- **TEMPERATURE RANGE:** Maximum: +250°C, Minimum: -30°C
- **COLOUR:** Silver
- Download Ducting Installation Guide pdf

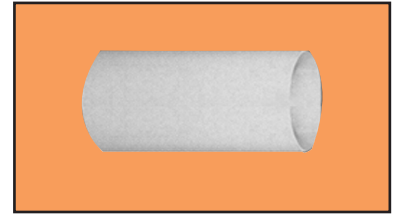


Ducting

MANROSE® Solid Tube

Solid Tube - Rigid Steel

Diameter (mm)	Length (m)	Finish	Order Code
100	0.9	Galvanised	DCT0151
100	0.9	White	DCT0145
125	0.9	Galvanised	DCT0152
125	0.9	White	DCT0146
125	1.2	Galvanised	DCT0953
150	0.9	Galvanised	DCT0153
150	0.9	White	DCT0147
150	1.2	Galvanised	DCT0954



Solid Tube - White Plastic

Diameter (mm)	Length (m)	Finish	Order Code
100	0.9	PVC	DCT1424
125	0.9	PVC	DCT1425
150	0.9	PVC	DCT1426

MANROSE® Low Profile Ducting - Flat Channel

Dimension (mm)	Equivalent Size (mm)	Length (m)	Order Code
110 x 54	100	1.5	DCT0013
204 x 60	125	1.5	DCT0519
220 x 90	150	1.5	DCT1443
300 x 25	100	1.5	DCT1460



Low profile ducting enables it to be concealed when installed along the top of wall units. It can also be fitted in ceiling voids and cavity walls, providing versatility whilst remaining unobtrusive. All Manrose system parts and channels are made from flame-retardant material.

Four Low Profile System Sizes

110mm x 54mm:

Suitable for applications requiring low extraction rates, such as ventilation of domestic bathrooms and toilets. With a 5940mm² cross-section it provides efficient ducting for short, straight runs connecting to a 100mm round spigot.

204mm x 60mm:

Suitable for ducting of kitchen cooker hoods with 100, 125 or 150mm round exhaust spigots. The flat channel cross section of 12240mm² increases efficiency.

High Performance 220mm x 90mm:

Suitable for applications requiring high performance extraction or supply. The flat channel cross section of 19800mm² makes it highly efficient and higher extraction rates are achieved.

Flat Ducting 300mm x 25mm:

Suitable for applications where space is very limited