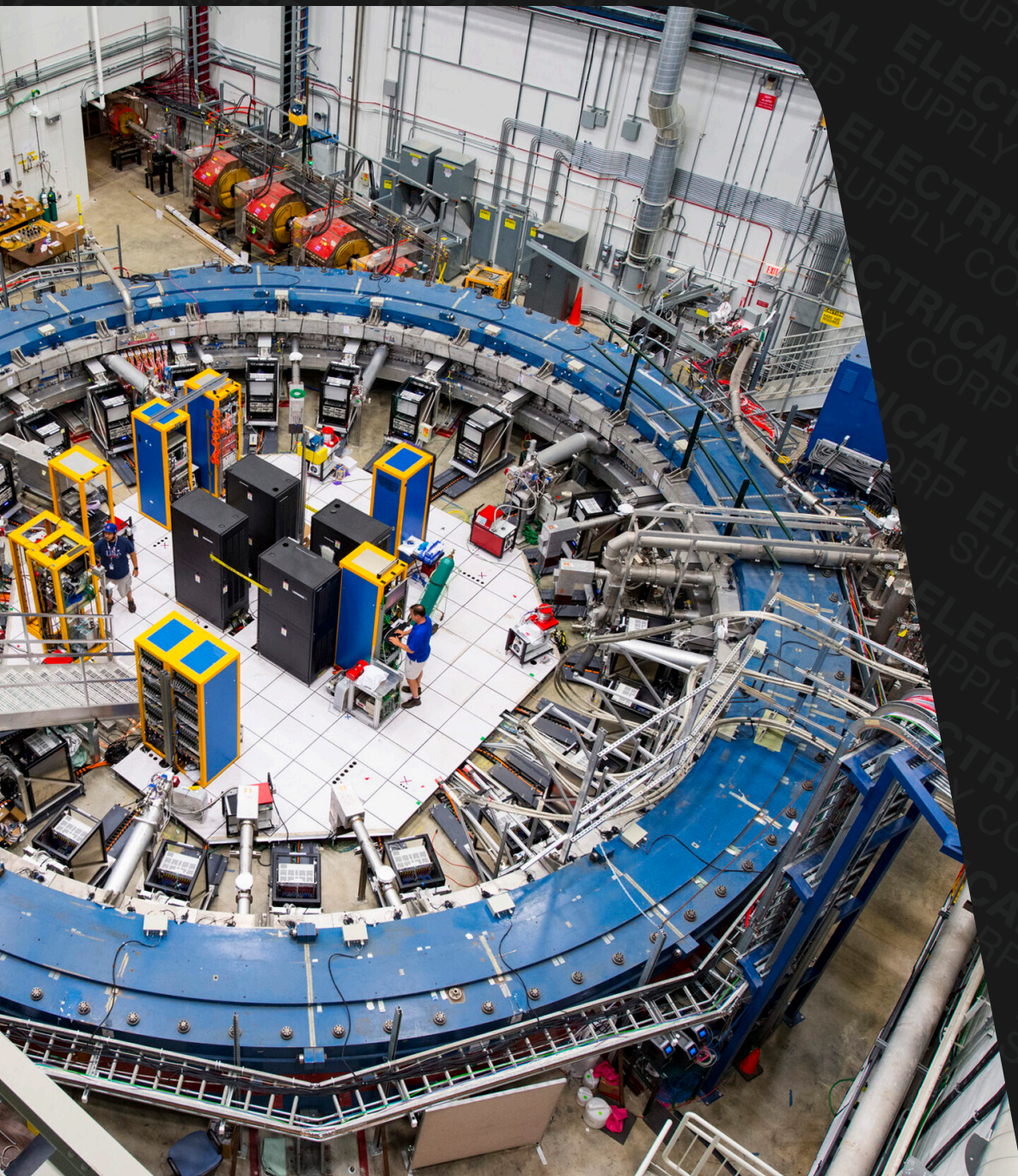




Flexible Conduit

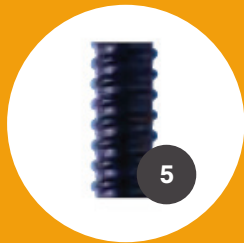
2024





Flexible Conduit

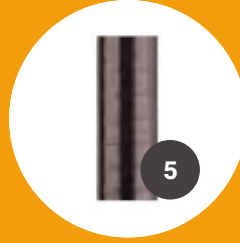
Tukunga A-hiko Tawariwari



Non-Metallic XF



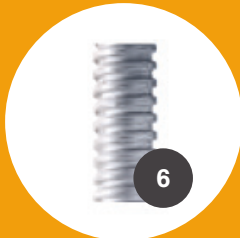
XF Accessories



Non-Metallic RF



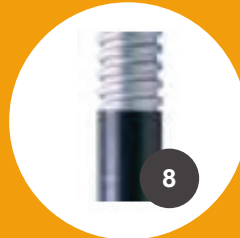
RF Accessories



Metallic S / SP



S / SP
Accessories



Metallic SPL /
SPLHC



SPL / SPLHC
Accessories



Thread
Converter



Locknuts



Conduit Support
P Clip



Reducers

Conduit Guide



Type	Non - Metallic	Non - Metallic	Metallic	Metallic	Metallic	Metallic
Conduit Type	-	-	S	SP	SPL	SPLHC
Part Number	XF	RF	S	SP	SPL	SPLHC
Conduit Weight	Standard Weight	Standard Weight	-	-	-	-
Conduit Material	PVC	PVC	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel
Covering / Overbraid	Plasticised PVC	Plasticised PVC	-	PVC	PVC	Thermoplastic Rubber
Black (BL)	Yes	Yes	-	Yes	Yes	Yes
Grey (GR)	-	Yes	-	Yes	Yes	-
IP40	-	-	Yes	-	-	-
IP54	-	-	-	Yes	-	-
IP65	Yes	-	-	*Yes	-	-
IP66	-	-	-	-	Yes	Yes
IP67	-	Yes	-	-	*Yes	*Yes
IP68	-	-	-	-	*Yes	*Yes
IP69	-	-	-	-	*Yes	*Yes
Static Applications (°C)	-5 to +60	-20 to +60	-50 to +300	-25 to +70	-20 to +105	-65 to +135
Moving Applications (°C)	-5 to +60	-5 to +60	-45 to +250	-5 to +90	-5 to +105	-45 to +150
UV Resistance	High	High	Very High	Very High	Very High	Very High
Flexibility	Very High	Medium	High	High	Medium	Very High
Fatigue Life	Medium	Medium	High	Medium	Medium	High
Low Fire-Hazard	-	-	Inherent	-	-	-
Halogen Free	-	-	Yes	-	-	Yes
Self Extinguishing	Yes	Yes	-	Yes	Yes	Yes
EMI Screen	-	-	-	-	-	-
High Mechanical Strength	-	-	Yes	Yes	Yes	Yes
BSI -Kitemark	-	-	Yes	Yes	Yes	Yes
CE	-	-	Yes	Yes	Yes	Yes
UR	-	-	-	-	Yes	-

Non Metallic (XF / RF)

XF - Xtraflex Standard Weight Conduit -50°C to 60°C IP65

PVCu spiral with plasticised PVC covering standard weight conduit. UV stable and self extinguishing. High flexibility medium fatigue.

ESC Code	Jacket Colour	Nominal Size	Outside Diameter	Inside Diameter	Minimum Bend Radius	Reel Length	UOM
XF1630M	Black	16mm	16.5mm	12mm	30mm	30m	mtr
XF2030M	Black	20mm	20.5mm	16mm	35mm	30m	mtr
XF2530M	Black	25mm	27.5mm	22mm	50mm	30m	mtr
XF3230M	Black	32mm	33.5mm	28mm	60mm	30m	mtr
XF4030M	Black	40mm	44.0mm	38mm	80mm	30m	mtr
XF5030M	Black	50mm	57.5mm	50mm	105mm	30m	mtr



Type A - Xtraflex Straight Fixed External Thread (XF Accessories)

For insertion into threaded entries & knockouts supplied with locknuts - METRIC THREAD ONLY. For XF conduit.

ESC Code	Metric Thread	Nominal Size	UOM
XF16M16D	M16	16mm	ea
XF20M20D	M20	20mm	ea
XF25M25D	M25	25mm	ea
XF32M32D	M32	32mm	ea
XF40M40D	M40	40mm	ea
XF50M50D	M50	50mm	ea



Adaptaflex Xtraflex - 90° Fixed Elbow Fitting (XF Accessories)

ESC Code	Metric Thread	Nominal Size	UOM
XF20M20C90BL	M20	20mm	ea
XF25M25C90BL	M25	25mm	ea
XF32M32C90BL	M32	32mm	ea



RF - Rhinoflex Standard Weight Conduit -50°C to 60°C IP67

PVCu spiral with plasticised PVC covering standard weight conduit. UV stable and self extinguishing. Medium flexibility medium fatigue.

ESC Code	Jacket Colour	Nominal Size	Outside Diameter	Inside Diameter	Minimum Bend Radius	Reel Length	UOM
RF16BL30M	Black	16mm	16.5mm	12mm	30mm	30m	mtr
RF20BL30M	Black	20mm	20.5mm	16mm	35mm	30m	mtr
RF25BL30M	Black	25mm	27.5mm	22mm	50mm	30m	mtr
RF32BL30M	Black	32mm	33.5mm	28mm	60mm	30m	mtr



Type A - RF Straight Fitting Fixed External Thread (RF Accessories)

For insertion into threaded entries & knockouts. Supplied with locknuts - **METRIC THREAD ONLY**. Suits RF conduit.

ESC Code	Metric Thread	Nominal Size	UOM
RF16M16D	M16	16mm	ea
RF16M20D	M20	16mm	ea
RF20M20D	M20	20mm	ea
RF25M25D	M25	25mm	ea
RF32M32D	M32	32mm	ea



Metallic (S / SP)

Type C90 - RF90° Elbow Fitting Fixed External Thread (RF Accessories)

For insertion into knockouts. Supplied with locknuts - METRIC THREAD ONLY. Suits RF conduit.

ESC Code	Metric Thread	Nominal Size	UOM
RF16M16C90	M16	16mm	ea
RF16M20C90	M20	16mm	ea
RF20M20C90	M20	20mm	ea
RF25M25C90	M25	25mm	ea
RF32M32C90	M32	32mm	ea



S - Steel Conduit UV Stable -50°C to 300°C IP40

Galvanised steel general purpose conduit, UV stable. Inherent low fire hazard steel conduit. Static applications -50°C to 300°C. Moving applications -45°C to 250°C.

ESC Code	Jacket Colour	Nominal Size	Outside Diameter	Inside Diameter	Minimum Bend Radius	Reel Length	UOM
S1025M	Galv	10mm	9mm	6.8mm	25mm	25m	mtr
S1225M	Galv	12mm	13mm	10.3mm	30mm	25m	mtr
S1625M	Galv	16mm	16mm	13mm	35mm	25m	mtr
S2010M	Galv	20mm	20.5mm	16.9mm	45mm	25m	mtr
S2025M	Galv	20mm	20.5mm	16.9mm	45mm	25m	mtr
S2525M	Galv	25mm	25mm	21.4mm	55mm	25m	mtr
S3225M	Galv	32mm	32mm	28.1mm	60mm	25m	mtr
S4025M	Galv	40mm	42.5mm	37.7mm	80mm	25m	mtr
S5025M	Galv	50mm	53mm	48.4mm	90mm	25m	mtr
S6310M	Galv	63mm	62.5mm	57.5mm	115mm	10m	mtr
S7510M	Galv	75mm	77mm	70mm	150mm	10m	mtr

Supersedes: FU conduits, INDENT ONLY



SP - General Purpose Covered Steel Conduit IP54/65*

General purpose liquid resistant liquid tight. UV stable self extinguishing. Moving applications -15°C to 70°C Static applications -5°C to 90°C medium fatigue.

ESC Code	Jacket Colour	Normal Size	Outside Diameter	Inside Diameter	Minimum Bend Radius	Reel Length	UOM
SP10BL25M	Black	10mm	10mm	6.8mm	25mm	25m	mtr
SP12BL25M	Black	12mm	14mm	10.3mm	30mm	25m	mtr
SP16BL25M	Black	16mm	17mm	13mm	35mm	25m	mtr
SP16BL10M	Black	16mm	17mm	13mm	45mm	10m	mtr
SP20BL25M	Black	20mm	21.5mm	16.9mm	45mm	25m	mtr
SP20BL10M	Black	20mm	21.5mm	16.9mm	45mm	10m	mtr
SP25BL25M	Black	25mm	26mm	21.4mm	55mm	25m	mtr
SP25BL10M	Black	25mm	26mm	21.4mm	55mm	10m	mtr
SP32BL25M	Black	32mm	34mm	28.1mm	60mm	25m	mtr
SP40BL25M	Black	40mm	44.5mm	37.7mm	80mm	25m	mtr
SP50BL25M	Black	50mm	55mm	48.4mm	90mm	25m	mtr
SP63BL25M	Black	63mm	64.5mm	57.5mm	115mm	25m	mtr

Supersedes: FSU conduits

IP54/65* - The system can achieve higher IP ratings if the correct accessories are used.



Metallic (SP)

Plain Termination (SP Accessories)

Conduit terminator, nickel plated brass. Suits SP conduits.

ESC Code	Hole Size	UOM
SP16E	16mm	ea
SP20E	20mm	ea
SP25E	25mm	ea
SP32E	32mm	ea



Type B Straight Swivel Fitting - External Thread (SP Accessories)

For insertion into threaded entries & knockouts. Nickel plated brass. Suits SP conduits.

ESC Code	Metric Thread	Nominal Size	UOM
SP10M10B	M10	10mm	ea
SP12M16B	M16	12mm	ea
SP16M16B	M16	16mm	ea
SP16M20B	M20	16mm	ea
SP20M20B	M20	20mm	ea
SP25M25B	M25	25mm	ea
SP32M32B	M32	32mm	ea
SP40M40B	M40	40mm	ea
SP50M50B	M50	50mm	ea



Type M Straight Swivel Fitting - External Thread (SP Accessories)

For insertion into threaded entries & knockouts. Nickel plated brass. Suits SP conduits.

ESC Code	Metric Thread	Normal Size	UOM
SP16M16M	M16	16mm	ea
SP20M20M	M20	20mm	ea
SP25M25M	M25	25mm	ea
SP32M32M	M32	32mm	ea
SP40M40M	M40	40mm	ea



Metallic (SPL / SPLHC)

SPL - Covered Steel Conduit UV Stable -20°C to 105°C IP66*

PVC covered galvanised steel, UV stable. Self extinguishing IP66 oil resistant liquid tight. Static applications -20°C to 105°C, Moving applications -5°C to 105°C.

ESC Code	Jacket Colour	Normal Size	Outside Diameter	Inside Diameter	Minimum Bend Radius	Reel Length	UOM
SPL1625M	Black	16mm	17.8mm	12.5mm	50mm	25m	mtr
SPL2025M	Black	20mm	21.1mm	15.9mm	80mm	25m	mtr
SPL2525M	Black	25mm	26.4mm	21mm	110mm	25m	mtr
SPL3225M	Black	32mm	33.1mm	26.7mm	145mm	25m	mtr
SPL4025M	Black	40mm	41.8mm	35.4mm	180mm	25m	mtr
SPL5025M	Black	50mm	47.9mm	40.4mm	240mm	25m	mtr
SPL6325M	Black	63mm	59.7mm	51.6mm	345mm	25m	mtr



IP66* - The system can achieve higher IP ratings if the correct accessories are used.

SPLHC - Extreme Temperature Halogen Free Conduit IP66*

Thermoplastic rubber covered galvanised steel conduit. UV resistant self extinguishing halogen free. Very high flexibility - high fatigue life. Static applications -65°C to 135°C Moving applications -45°C to 150°C.

ESC Code	Jacket Colour	Normal Size	Outside Diameter	Inside Diameter	Minimum Bend Radius	Reel Length	UOM
SPLHC1625M	Black	16mm	17.8mm	12.5mm	50mm	25m	mtr
SPLHC2025M	Black	20mm	21.1mm	15.9mm	80mm	25m	mtr
SPLHC2525M	Black	25mm	26.4mm	21mm	110mm	25m	mtr
SPLHC3225M	Black	32mm	33.1mm	26.7mm	145mm	25m	mtr
SPLHC4025M	Black	40mm	41.8mm	35.4mm	180mm	25m	mtr
SPLHC5025M	Black	50mm	47.9mm	40.4mm	240mm	25m	mtr
SPLHC6325M	Black	63mm	59.7mm	51.6mm	345mm	25m	mtr



Supersedes: ATX conduits

IP66* - The system can achieve higher IP ratings if the correct accessories are used.

45° Elbow - Nickel Plated Brass Conduit Fitting (SPL / SPLHC Accessories)

Nickel Plated Brass Conduit fitting 45°, suits SPL & SPLHC conduit.

ESC Code	Metric Internal Thread	External Thread	Finish	UOM
BM1645	M20	M16	Nickel	ea
BM2045	M20	M20	Nickel	ea
BM2545	M25	M25	Nickel	ea
BM3245	M32	M32	Nickel	ea



90° Elbow - Nickel Plated Brass Conduit Fitting (SPL / SPLHC Accessories)

Nickel Plated Brass Conduit fitting 90°, suits SPL & SPLHC conduit.

ESC Code	Metric Internal Thread	External Thread	Finish	UOM
BM1690	M16	M16	Nickel	ea
BM2090	M20	M20	Nickel	ea
BM2590	M25	M25	Nickel	ea
BM3290	M32	M32	Nickel	ea



Metallic (SPL / SPLHC)

Type M - Straight Swivel Fitting (SPL / SPLHC Accessories)

For insertion into threaded entries & knockouts. Nickel plated brass - External thread. Suits SPL & SPLHC conduit.

ESC Code	Metric Thread	Normal Size	UOM
SPL16M16M	M16	16mm	ea
SPL20M20M	M20	20mm	ea
SPL25M25M	M25	25mm	ea
SPL32M32M	M32	32mm	ea
SPL40M40M	M40	40mm	ea
SPL50M50M	M50	50mm	ea
SPL63M63M	M63	63mm	ea



Type B - Straight Swivel Fitting - External Thread (SPL / SPLHC Accessories)

For insertion into threaded entries & knockouts. Nickel plated brass - External thread. Suits SPL & SPLHC conduit.

ESC Code	Metric Thread	Normal Size	UOM
SPL16M16B	M16	16mm	ea
SPL20M20B	M20	20mm	ea
SPL25M25B	M25	25mm	ea
SPL32M32B	M32	32mm	ea



Type F - Straight Female Fitting (SPL / SPLHC Accessories)

For insertion into threaded entries & knockouts. Nickel plated brass - External thread. Suits SPL & SPLHC conduit.

ESC Code	Metric Thread	Normal Size	UOM
SPL20M20F	M20	20mm	ea
SPL25M25F	M25	25mm	ea



Type C90 - 90° Combined Fitting & Elbow (SPL / SPLHC Accessories)

90° fitting with male external thread. Nickel plated steel. Suits SPL & SPLHC conduit.

ESC Code	Metric Thread	Normal Size	UOM
SPL16M16C90	M16	16mm	ea
SPL16M20C90	M20	16mm	ea
SPL20M20C90	M20	20mm	ea
SPL25M25C90	M25	25mm	ea
SPL32M32C90	M32	32mm	ea



Type E - Conduit Terminator (SPL / SPLHC Accessories)

Conduit terminator for cable protection at exit point. Nickel plated brass. Suits SPL & SPLHC.

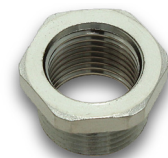
ESC Code	Normal Size	UOM
SPL16E	16mm	ea
SPL20E	20mm	ea
SPL25E	25mm	ea
SPL32E	32mm	ea
SPL50E	50mm	ea
SPL63E	63mm	ea



Thread Converter (Metallic General Accessories)

Provides for the installation of a fitting to an enclosure with a smaller or larger opening. Nickel plated brass.

ESC Code	Description	Hole Size	UOM
BPG11M16TC	Adaptaflex Thread Converter PG11 Male To 16mm Female	16mm	ea
BPG16M16TC	Adaptaflex Thread Converter PG16 Male To 16mm Female	16mm	ea
BPG11M20TC	Adaptaflex Thread Converter PG11 Male To 20mm Female	20mm	ea
BPG16M20TC	Adaptaflex Thread Converter PG16 Male To 20mm Female	20mm	ea
BPG21M20TC	Adaptaflex Thread Converter PG21 Male To 20mm Female	20mm	ea



Unthreaded Conduit Fittings (Metallic General Accessories)

Nickel plated brass smooth entry bush, for locking conduit into plain holes in enclosures.

ESC Code	Description	Hole Size	UOM
SP1212C	Adaptaflex S, SS, SP 12mm Smooth Entry Bush	12mm	ea
SP1616C	Adaptaflex S, SS, SP 16mm Smooth Entry Bush	16mm	ea
SP2020C	Adaptaflex S, SS, SP 20mm Smooth Entry Bush	20mm	ea
SP2525C	Adaptaflex S, SS, SP 25mm Smooth Entry Bush	25mm	ea
SP3232C	Adaptaflex S, SS, SP 32mm Smooth Entry Bush	32mm	ea



Locknuts (Metallic General Accessories)

Nickel plated brass locknuts & nickel plated steel locknuts.

ESC Code	Description	Hole Size	UOM
LNBM16	Adaptaflex Locknuts 16mm 10 Pack Nickel Plated Brass	16mm	ea
LNBM20	Adaptaflex Locknuts 20mm 10 Pack Nickel Plated Brass	20mm	ea
LNBM25	Adaptaflex Locknuts 25mm 10 Pack Nickel Plated Brass	25mm	ea
LNBM32	Adaptaflex Locknuts 32mm Nickel Plated Brass	32mm	ea
LNBM40	Adaptaflex Locknuts 40mm Nickel Plated Brass	40mm	ea
LNBM50	Adaptaflex Locknuts 50mm Nickel Plated Brass	50mm	ea
LNBM63	Adaptaflex Locknuts 63mm Nickel Plated Brass	63mm	ea



Conduit Support P Clip (Metallic General Accessories)

Plated steel construction with PVC insert.

ESC Code	Description	Hole Size	UOM
PCLIP12	Adaptaflex 12mm Plated Steel With PVC Insert P-Clip	12mm	ea
PCLIP16	Adaptaflex 16mm Plated Steel With PVC Insert P-Clip	16mm	ea
PCLIP20	Adaptaflex 20mm Plated Steel With PVC Insert P-Clip	20mm	ea
PCLIP25	Adaptaflex 25mm Plated Steel With PVC Insert P-Clip	25mm	ea
PCLIP32	Adaptaflex 32mm Plated Steel With PVC Insert P-Clip	32mm	ea



Reducers (Metallic General Accessories)

Nickel plated brass reducers.

ESC Code	Description	Hole Size	UOM
BM20M16R	Adaptaflex Reducer 20mm Male - 16mm Fem Nickel Plated Brass	16mm	ea
BM25M20R	Adaptaflex Reducer 25mm Male - 20mm Fem Nickel Plated Brass	20mm	ea
BM32M25R	Adaptaflex Reducer 32mm Male - 25mm Fem Nickel Plated Brass	25mm	ea





ESC Sales and Service

For any quotations, pricing and availability, returns and claims and technical enquiries, please contact our Customer Service Team.

ESC Customer Service

Phone: (+64) 7 849 9119

Toll Free Phone: 0800 350 000

Email: sales@electrical.co.nz

Website: www.electrical.co.nz

ESC Representatives Contact

Auckland / North Sales Representative
P 027 807 9007

Auckland Sales Representative
P 027 487 8093

Lower North Island Sales Representative
P 027 442 5774

Lower South Island Sales Representative
P 027 222 3551

Waikato Sales Representative
P 027 329 4801

Bay of Plenty Sales Representative
P 027 366 0690

Upper South Island Sales Representative
P 027 487 8036





38D Northway Street
Te Rapa, Hamilton, 3200
www.electrical.co.nz

sales@electrical.co.nz
+64 7 849 9119
0800 350 000