CONDUIT, FITTINGS & SADDLES

GC Conduit & Fittings.....238

Galvanised Flexible Conduit & Fittings.....245

Galvanised & Stainless Steel Saddles.....249

FIRSTFLEX

P: (09) 264 1000 | www.firstflex.co.nz

GALVANISED CONDUIT

Applications. Steel conduit protects electrical conductors against mechanical and electrical damage and provides excellent grounding for Electro Magnetic Interference (EMI) that could hurt the performance of nearby computers and other electronic equipment.

THE BENEFITS OF STEEL CONDUIT:

- Simple installation
- EMI shielding
- System grounding
- Physical and mechanical protection
- Chemical compatibility with concrete
- Fire resistance
- Impact resistance
- Lower life-cycle costs
- Manufactured for long life
- The quickest and most efficient changeover or upgrading of electrical circuits
- Non-combustibility which inhibits the spread of fire
- Fully recyclable

PRODUCT FEATURES:

Steel conduit provides the best protection for wiring sophisticated control systems.

EMI is an issue that should be considered in planning new facilities where sophisticated electronic and mechanical equipment will be operated.

Steel conduits can reduce EMF by as much as 95%. By comparison, aluminium conduit can reduce EMF by just 10%. Non-metallic conduit is ineffective in reducing field levels.

While some designers attempt to save their clients money by basing the selection of a wiring system only on initial cost, that approach fails to capitalise on steel conduits significant long-term advantages, one of which is not having to retrofit to provide EMI shieldings.

Temperature Range -50C to 300C.

Relevant Standards AS/NZS 2053:7.

Thread BS Standard pitch 1.5mm.

GCCONHDG

Conduit - Hot Dipped Galvanised Steel (4m Lengths)

Heavy protection welded steel electrical conduit, screwed both ends with one end complete with plain coupling. Hot dipped galvanised steel conduit is used in applications where mechanical strength is required in corrosive environments or to conform to specific requirements.

Code	Size	Nominal Thickness
GCCONHDG20	20mm (OD)	1.6mm
GCCONHDG25	25mm (OD)	1.8mm
GCCONHDG32	32mm (OD)	1.8mm
GCCONHDG40	40mm (OD)	1.8mm
GCCONHDG50	50mm (OD)	2.0mm

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

CONDUIT ADAPTORS

(NO THREADING REQUIRED)

BS standard pitch thread 1.5mm. A no-threading alternative for installing galvanised steel conduit. A new alternative way to install galvanised steel conduit with no threading! Install galvanised steel conduit faster with the new adaptors from Firstflex cables. Reduction in tooling and threading time. Tested and approved to AS/NZS 2053:7

INSTRUCTIONS:

1. Cut conduit to required length.
2. Wipe surfaces to be joined.
3. Apply recommended MTA001 adhesive to the outer surface of the conduit (Permabond A1046 / Loctite 510/638 or equivalent).
4. Adaptors may be pressed onto the conduit by hand, or tapped on. Ensure that the conduit passes the dimple – this maintains a constant earth.
5. Job complete!

GCMTA

Male Thread to Female Plain Metal Adaptor

Code	Size
GCMTA 20	20mm
GCMTA 25	25mm
GCMTA 32	32mm
GCMTA 40	40mm
GCMTA 50	50mm

GCMTA 001

Adhesive

Code	Size
GCMTA 001 ADHESIVE	50ml, 100 Joints

GCFTA

Female Thread to Female Plain Metal Adaptor

Code	Size
GCFTA 20	20mm
GCFTA 25	25mm
GCFTA 32	32mm
GCFTA 40	40mm

GCFPC

Female Plain to Female Plain Metal Adaptor

Code	Size
GCFPC 20	20mm
GCFPC 25	25mm
GCFPC 32	32mm
GCFPC 40	40mm
GCFPC 50	50mm

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GALVANISED FITTINGS (THREADED TYPE)

GCPB

Galvanised Plain 90° Bends

Code	Size
GCPB 20	20mm
GCPB 25	25mm
GCPB 32	32mm
GCPB 40	40mm
GCPB 50	50mm

GCIB

Galvanised Inspection 90° Bends

Code	Size
GCIB 20	20mm
GCIB 25	25mm
GCIB 32	32mm
GCIB 40	40mm
GCIB 50	50mm

GCPE

Galvanised Plain 90° Elbows

Code	Size
GCPE 20	20mm
GCPE 25	25mm
GCPE 32	32mm

GCIE

Galvanised Inspection 90° Elbows

Code	Size
GCIE 20	20mm
GCIE 25	25mm
GCIE 32	32mm

GCIT

Galvanised Inspection Tees

Code	Size
GCIT 20	20mm
GCIT 25	25mm
GCIT 32	32mm
GCIT 40	40mm
GCIT 50	50mm

GCJB ANGLED

Galvanised Junction Boxes Angled C/W Lid & Screws

Code	Size
GCJB 20/A	20mm Angled
GCJB 25/A	25mm Angled
GCJB 32/A	32mm Angled
GCJB 40/A	40mm Angled
GCJB 50/A	50mm Angled

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GCJB 1 WAY

Galvanised Junction Boxes 1 Way C/W Lid & Screws

Code	Size
GCJB 20/1	20mm 1 Way
GCJB 25/1	25mm 1 Way
GCJB 32/1	32mm 1 Way
GCJB 40/1	40mm 1 Way
GCJB 50/1	50mm 1 Way

GCJB 2 WAY

Galvanised Junction Boxes 2 Way C/W Lid & Screws

Code	Size
GCJB 20/2	20mm 2 Way
GCJB 25/2	25mm 2 Way
GCJB 32/2	32mm 2 Way
GCJB 40/2	40mm 2 Way
GCJB 50/2	50mm 2 Way

GCJB 3 WAY

Galvanised Junction Boxes 3 Way C/W Lid & Screws

Code	Size
GCJB 20/3	20mm 3 Way
GCJB 25/3	25mm 3 Way
GCJB 32/3	32mm 3 Way
GCJB 40/3	40mm 3 Way
GCJB 50/3	50mm 3 Way

GCJB 4 WAY

Galvanised Junction Boxes 4 Way C/W Lid & Screws

Code	Size
GCJB 20/4	20mm 4 Way
GCJB 25/4	25mm 4 Way
GCJB 32/4	32mm 4 Way
GCJB 40/4	40mm 4 Way
GCJB 50/4	50mm 4 Way

GCHS

Galvanised Hospital Saddles

Code	Size	Approx. Standoff
GCHS 20	20mm	12mm
GCHS 25	25mm	13mm
GCHS 32	32mm	14mm
GCHS 40	40mm	15mm
GCHS 50	50mm	16mm

GCHSHD

Galvanised Distance Saddles

Code	Size	Approx. Standoff
GCHSHD 20	20mm	8mm
GCHSHD 25	25mm	8mm
GCHSHD 32	32mm	8mm
GCHSHD 40	40mm	12mm
GCHSHD 50	50mm	12mm

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GALVANISED FITTINGS

GCLN

Galvanised Locknuts

Code	Size
GCLN 16	16mm
GCLN 20	20mm
GCLN 25	25mm
GCLN 32	32mm
GCLN 40	40mm
GCLN 50	50mm

GCBL

Galvanised Box Lids + Screws

Code	Size	
GCBLS	Small lid 20/25mm, 2 screws	Small galvanised box lid (for 20/25mm junction box)
GCBLL	Large lid 32/40/50mm, 4 screws	Large galvanised box lid (for 32/40/50mm junction box)
GCJBSS	Small screw for box lid	Screw - small
GCJBSL	Large screw for box lid	Screw - large

GCRG

Rubber Gasket

Code	Size
GCRGS Small	20/25mm
GCRGL Large	32/40/50mm

GCPP

Galvanised Pendant Plate (Dome Cover)

Code	Size
GCPP 20	20mm
GCPP 25	25mm

GCP

Galvanised Hex Plugs

Code	Size
GCP 20	20mm
GCP 25	25mm
GCP 32	32mm
GCP 40	40mm
GCP 50	50mm

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GCN

Galvanised Nipples

Code	Size
GCN 16	16mm
GCN 20	20mm
GCN 25	25mm
GCN 32	32mm
GCN 40	40mm
GCN 50	50mm

GCHOOK

Galvanised Hook

Code	Size
GCHOOK 20	20mm

GCPC

Galvanised Plain Couplings

Code	Size
GCPC 20	20mm
GCPC 25	25mm
GCPC 32	32mm
GCPC 40	40mm
GCPC 50	50mm

GCR

Galvanised Hex Reducers

Code	Size
GCR 20-16	20-16mm
GCR 25-20	25-20mm
GCR 32-25	32-25mm
GCR 40-32	40-32mm
GCR 50-40	50-40mm
GCR 63-50	63-50mm

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GCFB

Brass Female Bush (Ring)

Code	Size
GCFB 20	20mm
GCFB 25	25mm
GCFB 32	32mm
GCFB 40	40mm
GCFB 50	50mm

GCMB

Brass Male Bush (Smooth Bore)

Code	Size
GCMB 20	20mm
GCMB 25	25mm
GCMB 32	32mm
GCMB 40	40mm
GCMB 50	50mm

GCBEND

Galvanised Conduit Bender Set

Code	Size	Description
GCBENDSET20	20mm	20mm bender head and handle set
GCBENDSET25	25mm	25mm bender head and handle set

GCSTOCKDIE

Stock & Die Set (C/W Dies & Guides) - for Galvanised Conduit

Code	Size
STOCKDIE20/25	20/25mm
STOCKDIE32	32mm

GCDIE

Spare Die only - for Galvanised Conduit

Code	Size
GCDIE 20	20mm
GCDIE 25	25mm
GCDIE 32	32mm

GCGUIDE

Spare Guide only - for Galvanised Conduit Die

Code	Size
GCGUIDE 20	20mm
GCGUIDE 25	25mm
GCGUIDE 32	32mm

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GALVANISED FLEXIBLE CONDUIT & FITTINGS

GFC SERIES

Flexible Metal Conduit
Galvanised Steel Bare IP40

APPLICATIONS:

For use in connecting machinery in processing plants and areas subject to sparks, heat and environments where external hazards may cause damage to cables.

PRODUCT FEATURES:

- High mechanical strength
- Halogen free
- Low fire hazard

CONSTRUCTION:

Highly flexible helically wound galvanised steel.

CHARACTERISTICS:

Operating Temperature Range -40°C to 300°C.
Protection Class IP40.

Code	Colour	OD (Approx) (mm)	ID (Approx) (mm)	Minimum Bending Radius (mm)	Role Length (m)	Minimum Quantity Length (m)
GFC16	Galvanised	20	16	40	50	1
GFC20	Galvanised	24	20	45	50	1
GFC25	Galvanised	30	25	55	50	1
GFC32	Galvanised	37	32	70	25	1
GFC40	Galvanised	45	40	80	25	1

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GFCP SERIES

Flexible Metal Conduit
Galvanised Steel PVC Coated IP65

APPLICATIONS:

For use in connecting machinery in processing plants and areas subject to sparks, heat and environments where external hazards may cause damage to cables. The PVC coating offers an IP65 rating when used in conjunction with our galvanised flexi-conduit connectors.

CONSTRUCTION:

Highly flexible helically wound galvanised steel coated with PVC for higher IP rating.

CHARACTERISTICS:

Operating Temperature Range -20°C to 50°C.
Protection Class IP65.

PRODUCT FEATURES:

- High mechanical strength
- Superior oil, grease and weather resistant
- UV stabilised

Code	Colour	OD (Approx) (mm)	ID (Approx) (mm)	Minimum Bending Radius (mm)	Role Length (m)	Minimum Quantity Length (m)
GFCP16	Black	20	16	40	50	1
GFCP20	Black	24	20	45	50	1
GFCP25	Black	30	25	55	50	1
GFCP32	Black	37	32	70	25	1
GFCP40	Black	45	40	80	25	1

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GFCLT SERIES

Liquid Tight Flexible Metal Conduit Galvanised Steel PVC Coated IP68

APPLICATIONS:

For use in connecting machinery in processing plants and areas subject to sparks, heat and environments where external hazards may cause damage to cables. The PVC coating offers an IP68 rating when used in conjunction with our galvanised flexi-conduit connectors.

CONSTRUCTION:

Highly flexible helically wound galvanised steel coated with liquid tight PVC for higher IP rating.

CHARACTERISTICS:

Operating Temperature Range -20°C to 50°C.
Protection Class IP68.

PRODUCT FEATURES:

- High mechanical strength
- Superior oil, grease and weather resistance
- UV stabilised

Code	Colour	OD (Approx) (mm)	ID (Approx) (mm)	Minimum Bending Radius (mm)	Role Length (m)	Minimum Quantity Length (m)
GFCLT16	Black	20.4	15.6	120	50	1
GFCLT20	Black	24.4	19.6	150	50	1
GFCLT25	Black	31.0	24.5	180	50	1
GFCLT32	Black	39.0	31.5	250	25	1
GFCLT40	Black	47.0	40.0	300	25	1

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GFCS SERIES

Straight Connectors IP65
Nickel Coated Brass

APPLICATIONS:
For connections of flexible galvanised conduit in processing plants and areas subject to sparks, heat and environments where external hazards may cause damage to cables.

CONSTRUCTION:
Nickel coated brass connector complete with elastometric compression seal to give an IP65 rating when combined with PVC coated flexible conduit.

CHARACTERISTICS:
Operating Temperature Range -20°C to 80°C.
Protection Class IP65 (When connected to PVC coated flexible conduit).

Code	Colour	Thread Size
GFCS16	Nickel plated	M16 x 1.5
GFCS20	Nickel plated	M20 x 1.5
GFCS25	Nickel plated	M25 x 1.5
GFCS32	Nickel plated	M32 x 1.5
GFCS40	Nickel plated	M40 x 1.5

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.

GALVANISED & STAINLESS STEEL SADDLES

SGC

Galvanised Saddles

Code	Size	Qty per box
SGC10	10mm	100
SGC12	12mm	100
SGC16	16mm	100
SGC20	20mm	100
SGC25	25mm	100
SGC32	32mm	100
SGC40	40mm	100
SGC50	50mm	50
SGC65	65mm	25
SGC80	80mm	25

Saddles are galvanised by the process of electroplating.

HSG

Galvanised Half Saddles

Code	Size	Qty per box
HSG16	16mm	100
HSG20	20mm	100
HSG25	25mm	100
HSG32	32mm	100
HSG40	40mm	50
HSG50	50mm	20

Saddles are galvanised by the process of electroplating.

SSC

Stainless Steel Saddles

Code	Size	Qty per box
SSC12	12mm	100
SSC16	16mm	100
SSC20	20mm	100
SSC25	25mm	100
SSC32	32mm	100
SSC40	40mm	50
SSC50	50mm	50

HSS

Stainless Steel Half Saddles

Code	Size	Qty per box
HSS20	20mm	50
HSS25	25mm	50
HSS32	32mm	50

Made from Stainless Steel Grade 304 - Finish 2B.

Firstflex has taken every precaution to ensure accurate information in this catalogue, but accept no liability for any errors or omissions. Firstflex reserves the right to modify specifications at any time.