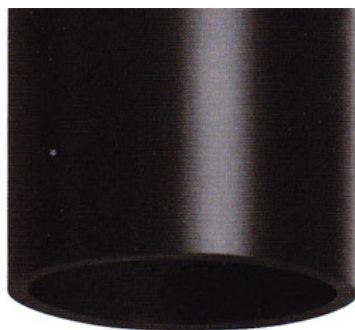


## Rigid Conduit & Accessories

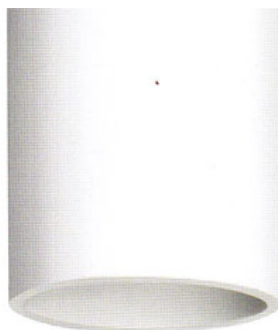
Greenland's conduit and accessories are made of superior quality uPVC (Unplasticised Polyvinyl Chloride) and HF (Halogen Free) materials, suitable for surface and under surface cable installations. Greenland's conduits are known for its high impact qualities and insulation abilities to withstand rough handling. What's more, Greenland conduits have high temperature tolerance and UV radiation resistant to withstand any harsh environment.



(Actual size)



50mm



40mm



32mm

## Rigid PVC Conduit

### Advantages

Due to the non-metallic materials, Greenland Rigid PVC conduits (also known as uPVC conduits) are proven to be excellent insulation for electric wires. Especially a perfect substitute for galvanized steel conduits as the uPVC conduits are light weight and very cost effective piping system due to ease of cutting, installation and transportation.

### Standards Compliance

In addition to internal quality control, Greenland uPVC conduits are manufactured to comply with **BSEN 50086-21:1996**, **BSEN 61386-21:2004** (**IEC 61386-21:2002**) and **PSB TUV Product Listing Scheme (PLS)**.

Greenland uPVC conduits are available in 3 classifications:

- 222112 (Light Gauge)
- 332112 (Medium Gauge)
- 442112 (Heavy Gauge)

### Properties & Characteristics

- Light weight, facilitates easy installation
- Bendable to 90° with aid of bending spring (applicable for  $\varnothing 20\text{mm}$  &  $\varnothing 25\text{mm}$  only)
- Excellent flame retardant
- High impact strength
- High resistance to most chemicals
- High resistance to corrosion (acid & alkaline)
- High temperature tolerance from  $-5^{\circ}\text{C}$  to  $60^{\circ}\text{C}$
- UV resistant (for white colour)



Bendable to 90°  
with aid of



25mm



20mm

## Rigid Conduit & Accessories

### Halogen Free Conduit

#### Advantages

Whereas, Greenland's premium quality HF conduits have the attributes of high temperature tolerance, excellent flame retardant, low smoke and non-toxic gases emission when burnt. All these complement to the highest safety requirements of most public infrastructure such as airports, hospitals, schools, high-tech plants, tunnels and subways, etc. HF conduits are recommended where safety consciousness, human life and valuable materials take a special significance.

#### Standards Compliance

Greenland HF conduits are manufactured to comply with **BSEN 61386-21:2004, ASTM E662:2006, IEC 60754-1:1994 and IEC 60754-2:1991 (Amendment 1:1997).**

The HF conduits meet to the standards classification:

- 4442 (Heavy Gauge)

#### Properties & Characteristics

- Light weight against galvanized steel conduit
- Excellent impact strength (Heavy gauge)
- Strong mechanical strength, not bendable with spring
- Excellent chemical resistant
- Low smoke density during combustion
- Excellent corrosion resistant
- No toxic or corrosive gases emission during combustion.
- Extreme temperature tolerance from -25°C to 110°C
- UV resistant
- Excellent flame retardant
- UL and RoHS compliance

#### Specifications

Code	Diameter (O.D) mm	Length m	Classification			Colour Black/White	Standard Packing Quantity
			Light	Medium	Heavy		
G-GP16	16	2.9	•	•	•	B/W	20 pcs
G-GP20	20	2.9	•	•	•	B/W	20 pcs
G-GP25	25	2.9	•	•	•	B/W	20 pcs
G-GP32	32	2.9		•	•	B/W	10 pcs
G-GP40	40	2.9		•	•	B/W	10 pcs
G-GP50	50	2.9		•	•	B/W	5 pcs

## Conduit Fittings & Accessories

### Advantages

As part of our holistic offerings, Greenland's Conduit fittings come in a wide array of functions. Made from high quality materials like PVC and ABS, these conduit fittings function well whether on the surface or under.

Whether is it direct through joint or cross-section joint or angle joint, we have the right fittings and accessories to facilitate conduits installations.

Each fitting is tailored for easy fitting and installation; apply some solvent cement onto them for water tight installations. As all Greenland boxes come with two or four lugs with M3.5 tapped holes, M4 threaded screws get fitted in hassle-free.

Need something for the outdoors? Greenland's socket cover boxes would do the trick. With these boxes, your sockets are protected from UV, moisture and varying temperature.

### Standards Compliance

Greenland's conduit fittings are manufactured to comply with **BS 4607** and **BS 4662**, whichever is applicable.

#### Circular Box



Screw-on type  
(with or without nuts insert)



Clip-on type  
(self-snapping lid)



# Rigid Conduit & Accessories

## Range of Accessories



### Coupling

Code	Particular	Packing
GPCP20	20mm	100pcs
GPCP25	25mm	100pcs
GPCP32	32mm	50pcs
GPCP40	40mm	20pcs
GPCP50	50mm	20pcs



### PVC-GI Threaded Coupling

Code	Particular	Packing
THREAD20	20mm	100pcs
THREAD25	25mm	100pcs
THREAD32	32mm	100pcs



### Female Adaptor

Code	Particular	Packing
FEMALE20	20mm	100pcs
FEMALE25	25mm	100pcs



### Male Adaptor

Code	Particular	Packing
MALE20	20mm	100pcs
MALE25	25mm	100pcs



### Circular End Box (1 Way)

Code	Particular	Packing
GP1W20	20mm	100pcs
GP1W25	25mm	100pcs
GP1W32	32mm	100pcs



### Circular Thru Box (2 Way)

Code	Particular	Packing
GP2W20	20mm	100pcs
GP2W25	25mm	100pcs
GP2W32	32mm	100pcs



### Circular Angle Box (2 Way)

Code	Particular	Packing
GPAW20	20mm	100pcs
GPAW25	25mm	100pcs
GPAW32	32mm	100pcs



### Circular Tee Box (3 Way)

Code	Particular	Packing
GP3W20	20mm	100pcs
GP3W25	25mm	100pcs
GP3W32	32mm	100pcs



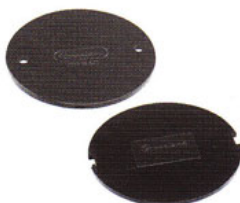
### Circular Cross Box (4 Way)

Code	Particular	Packing
GP4W20	20mm	100pcs
GP4W25	25mm	100pcs
GP4W32	32mm	100pcs



### Extension Ring

Code	Particular	Packing
ER38	38mm	100pcs



### Circular Lid

Code	Particular	Packing
GP LID	Screw on	500pcs
GP CLID	Clip on	500pcs



### Dome Cover

Code	Particular	Packing
DOME20	20mm	100pcs
DOME25	25mm	100pcs

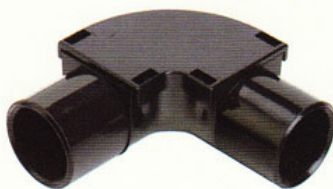
# Rigid Conduit & Accessories

## Inspection Bend



Code	Particular	Packing
GPI/BEND20	20mm	100pcs
GPI/BEND25	25mm	100pcs

## Inspection Elbow



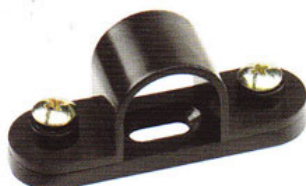
Code	Particular	Packing
GPI/ELBOW20	20mm	100pcs
GPI/ELBOW25	25mm	100pcs

## Inspection Tee



Code	Particular	Packing
GPI/TEE20	20mm	100pcs
GPI/TEE25	25mm	100pcs

## Bar Saddle



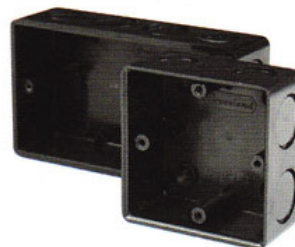
Code	Particular	Packing
SADDLE20	20mm	100pcs
SADDLE25	25mm	100pcs
SADDLE32	32mm	100pcs

## Looping Box



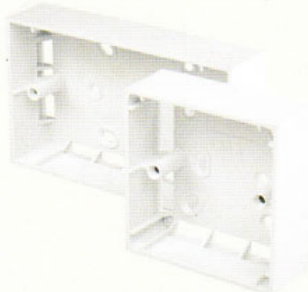
Code	Particular	Packing
LOOP20	20mm	100pcs

## Knock-out (K/O) Box



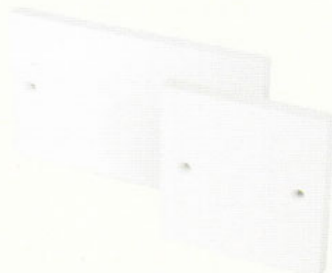
Code	Particular	Packing
K/O1G	Single Gang	100pcs
K/O2G	Double Gang	100pcs

## Surface Mounting Box



Code	Particular	Packing
SUR/BOX1G	Single Gang	100pcs
SUR/BOX2G	Double Gang	100pcs

## Blanking Plate



Code	Particular	Packing
BLANK/PL 1G	Single Gang	100pcs
BLANK/PL 2G	Double Gang	100pcs


## Socket Cover Box



Code	Particular	Packing
GPSC1G	Single Gang	100pcs
GPSC2G	Double Gang	100pcs

\*\* All fittings and accessories are available in black or white colour. Except for surface mounting box, socket cover box and blanking plate are available only in white.



The image is a full-page advertisement for Wiraflex corrugated conduits. It features a dark, textured background. In the foreground, several sections of corrugated conduit are shown. One section is white and stands out prominently, angled upwards from the bottom left towards the center. Behind it, several other sections of orange and red corrugated conduit are visible, some overlapping and others receding into the background. The lighting creates highlights on the ridges of the corrugations, emphasizing their texture. In the upper right corner, the text 'Pliable Corrugated Conduit' is printed in a white, sans-serif font. In the lower right area, a paragraph of text describes the product's features and benefits.

## Pliable Corrugated Conduit

"Wiraflex", the brand as Greenland's corrugated pliable conduits are exclusively known, is perfect for long distance coverage of surface and under surface cable installations. These conduits have been proven to have excellent insulating abilities and high chemical resistance. Thus, Wiraflex serves as a good protective harness for wires from external exposure.



# Pliable Corrugated Conduit

## Advantages

Greenland's Wiraflex corrugated conduits are highly flexible and lightweight. This complements the excellent insulating abilities and high chemical resistance. Wiraflex corrugated conduit is best used for fast and easy cable installation. To ensure smooth installation of the various Wiraflex products, Greenland also supplies a variety of conduit fittings and accessories.

## Types of Materials

Wiraflex corrugated conduit comes in four types of materials:

- **HDPE** (High Dense Polyethylene)
- **PVC** (Polyvinyl Chloride)
- **PP** (Polypropylene)
- **HF** (Halogen Free)\*

As a result, customers can choose the suitable grades to meet the UL/RoHS requirements.

## Standards Compliance

Wiraflex corrugated conduits are manufactured to comply with **BSEN 61386-22:2004 (IEC 61386-22:2002)**.

HF conduits are also in compliance with **ASTM E662:2006, IEC 60754-1:1994, IEC 60754-2:1997 (Amendment 1: 1997)**.

## Product Properties & Characteristics

- Light weight & highly flexible – facilitate easy and fast installation
- Non-kinking
- High corrosion resistant
- High chemical resistance (acid & alkaline)
- Flame retardant (non-flame propagation)
- High Impact and compression strength (Heavy Gauge for HF grade)
- High temperature tolerance – from -5°C to 60°C
- UV resistant
- Halogen Free – non-toxic and corrosive gas emission (HF Grade)

\* Wiraflex HF corrugated conduit is exclusively used for cable installation to meet highest safety requirements. It possesses the advantage properties of high temperature resistant (-25°C to 110°C), low smoke, non-toxic and corrosive gas emission when subject to fire. What's more, Wiraflex HF corrugated conduit has excellent impact and compression strength and flame retardant properties.





## Specifications

Code	O.D mm	I.D mm	Length per roll m	Colour black/white	Standard Packing Quantity
WIRA/SP 08	11	08	200	B	3
WIRA/SP 10	13	11	100	B	3
WIRAFLEX 16	16	12	50	B/W	5
WIRAFLEX 20	20	15	50	B/W	5
WIRAFLEX 25	25	20	50	B/W	5
WIRAFLEX 32	32	25	25	B/W	5
WIRAFLEX 40	40	31	25	B/W	3
WIRAFLEX 50	50	43	25	B/W	3

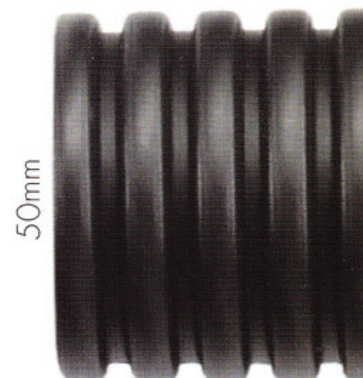
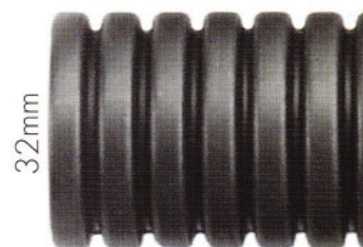
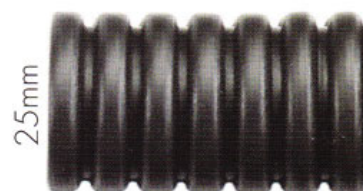
\*\* Also available in orange colour for ø20mm & ø25mm. Two grades available: Flame Retardant & Non-Flame Retardant Grades.



▲ ø8mm and ø10mm come with a continuous slit on the corrugated conduits to facilitate wiring of cables.



▲ Highly flexible and non-kinking.



(Actual size)

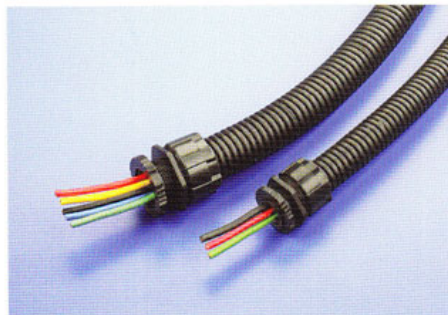
# Pliable Corrugated Conduit

## Corrugated Flexible Conduit Fittings

Greenland has a range of corrugated flexible conduit fittings for connection and installing the flexible conduits. Customers can choose from the myriad of conduit fittings to suit their individual installation requirements.

## Corrugated Gland

Code	Particular mm	Colour	Standard Packing Quantity
A-C/GLAND 20	20	Black	100pcs
A-C/GLAND 25	25	Black	100pcs



Other than the Gland fitting, other accessories are available. (Refer to Rigid Conduit & Accessories)

## Standard Packing

Wiraflex corrugated conduit is packed in coil form and wrapped with a clear film wrapping.

