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ducting systems product selector

Effective 1st November 2005

www.polypipecivils.co.uk



INTRODUCTION

Polypipe Civils Limited is firmly established as the UK's leading manufacturer of ducting, drainage and environmental systems to the utilities, construction, civil engineering and agricultural industries.

This brochure is dedicated to our ducting systems and the legend below will assist in deciding which system is appropriate for your needs. If further technical information is required please contact our technical department who will be happy to assist.

Our ducting is available in colours in accordance with recommendations of the National Joint Utilities Group and a wide variety of prints are available to suit the application.

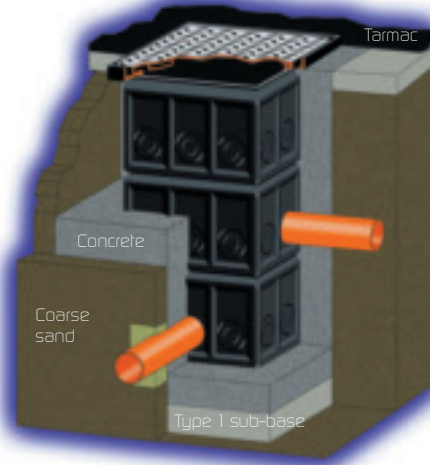


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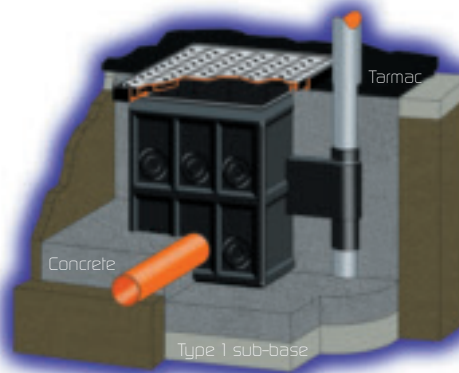
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TYPICAL INSTALLATION OF A 450 X 450mm ACCESS BOX SUBJECT TO VEHICLE TRAFFIC



TYPICAL INSTALLATION OF A POLYPIPE 450 X 450mm POLE BOX



COVERS AND FRAMES

Access box covers and frames should meet the requirements of BS EN 124 Class B 125. In carriageways or other locations where vehicles may run over access boxes, heavier grades of cover may be required.

**FOR FURTHER DETAILED INFORMATION AND NBS SPECIFICATION CLAUSES PLEASE CONTACT OUR TECHNICAL OFFICE OR VISIT OUR WEBSITE
WWW.POLYPIPECIVILS.CO.UK**

GENERAL

In footways ducting for signal post cables and linking cables must have minimum cover depths of 450mm and 250mm respectively. The minimum depth of cover in carriageways is 600mm.

Subject to local duct specification, ducts should be bedded on 100mm of compacted bedding material. Duct lengths must be continuous and fully jointed, with the printing placed uppermost when laying. Suitable surround material should also be used to fill any voids between multiple ducts and should extend to 100mm above the ducts.

Polypropylene draw cords should be provided in each duct with no knots or joints and should extend a minimum of 1 metre into each access box.

ACCESS AND POLE BOXES

Ducts are easily connected to the selected entry point. The pre-trepanned section for the size of duct to be used can be cut out with a knife or hole saw. The duct should be inserted through the opening and cut to length.

Boxes that may be subject to traffic loading are typically installed as illustrated

ORDERS & INFORMATION

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POLYPIPE GROUP HEAD OFFICE

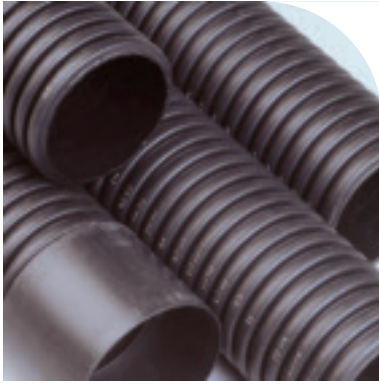
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POWER



RIDGIDUCT POWER →

Ridgiduct is a twin wall system, specifically engineered to provide a light, yet robust alternative to conventional ducting. Ridgiduct is manufactured in HDPE and the resulting stiff, yet flexible twin wall structure easily outperforms alternative products. Complementing the Ridgiduct range are a selection of twin wall long radius drawn bends, manufactured in HDPE. These are available in most sizes and a range of angles.

Ridgiduct For ESI-12-24

Polypipe Civils is the UK's leading supplier to the power utilities. Ridgiduct Power 100mm, 125mm and 150mm complies fully with the electrical supply industry specification for ducts, ESI-12-24. Ridgiduct has been independently tested and certified by the BBA to ESI 12-24.

Ridgiduct features include:

- Preferred choice of regional electricity companies
- Low weight, flexible, durable and high strength
- Good impact resistance, even at low temperatures
- BBA approved and complies with BS EN 50086-2-4 and ESI 12-24
- Available in 1, 2, 3, and 6m lengths
- Available in an alternative twin wall split duct form for easy installation around existing cables with minimal change in strength

Ridgiduct Power ESI 12-24 (Standard sizes)

I.D. mm	O.D. mm	Length (m)	Product Code
100	118	2	RB 100X2
125	148	2	RB 125X2
150	178	2	RB 150X2
100	118	3	RB 100X3
125	148	3	RB 125X3
150	178	3	RB 150X3
100	118	6	RB 100X6
125	148	6	RB 125X6
150	178	6	RB 150X6



Ridgiduct Power ESI 12-24 (Non-standard sizes)

I.D. mm	O.D. mm	Length (m)	Product Code
94	110	6	RB94x6

Printed Electrical Cable Duct



RIDGICOIL POWER →

Ridgicoil is a coiled twin wall duct, its flexibility eliminates the need for special bends and the smooth bore has a low co-efficient for ease of cable installation.

Ridgicoil Power Duct

O.D. mm	I.D. mm	Length (m)	Product Code
40	31	50	RC40X50BE
50	40	50	RC50X50BE
63	50	50	RC63X50BE
75	60	50	RC75X50BE
90	71	50	RC90X50BE
110	94	50	RC 110X50BE
160	140	50	RC 160X50BE

Printed Electrical Cable Duct





POWER



POLYDUCT POWER →

Polyduct is manufactured in MDPE or HDPE and is available in both straight lengths and coils. It can be used for either open trench or trenchless applications.

Polyduct Power			
I.D. mm	O.D. mm	Length	Product Code
32	37	100m coil	PD3237X100BEPE
38	44	100m coil	PD3844X100BEPE
50	60	50m coil	PD5060X50BEPE

Some of the advantages of using Polyduct Power are:

- High impact
- Exceptional durability
- Ease of use and transportation
- Can be used for trenchless applications
- Flexibility of coiled duct eliminating the need for special bends
- Meets ESI 12-24 requirements

MOLE DUCT →

Single wall PVC black duct for trenchless applications.

Mole Duct		
Diameter	Length	Product Code
50	1.5/3	PV037X1.5E
75	1.5	PV045X1.5E
89	1.5	PV055X1.5E

RIDGIDUCT POWER SPLIT DUCT →

Ridgiduct Power Split Duct is mainly used for ducting existing cables.

Ridgiduct Power Split Duct			
I.D. mm	Pack Qty	Length (m)	Product Code
100	85	1	RB100X15
125	46	1	RB125X15
150	36	1	RB150X15
100	85	2	RB100X25
125	46	2	RB125X25
150	36	2	RB150X25
100	85	3	RB100X35
125	46	3	RB125X35
150	36	3	RB150X35

SERVICE PROTECTION MARKERS →

MDPE tile to ESI 12-23. Unique service markings available subject to minimum order quantities.

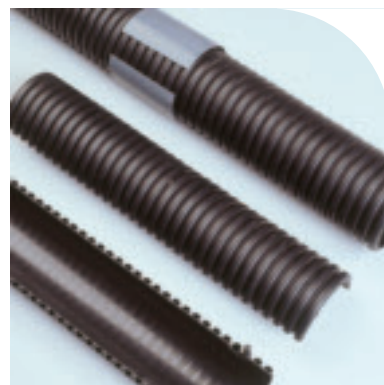
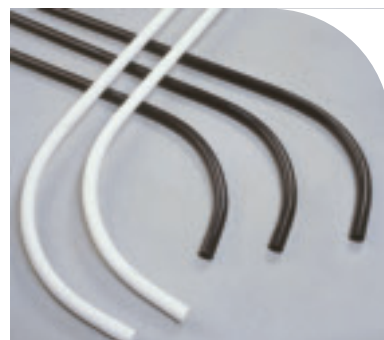
Service Protection markers		
Description	Length	Product Code
150mm width printed "Electric Cables"	40m	PPT150
200mm width printed "Electric Cables"	40m	PPT200

Other lengths available on request



HOCKEY STICKS →

Available to suit regional electricity companies own specifications. Details available on request.





GENERAL PURPOSE DUCTING →

General Purpose uPVC duct and fittings are a cost effective alternative to higher specification systems, for use in light and medium duty applications. The products are manufactured to traditionally accepted dimensions but do not meet the requirements of BS EN 50086-2-4 : 1994. General Purpose ducting is not suitable for Highways Agency applications and will require a better standard of installation than more robust systems for successful performance. All ducts include an integral socket and accessories include bends, junctions and end caps.

General Purpose Ducting				
Dia. inches	Dia. mm	Wall thickness mm	Length m	Product Code
2"	54	1.5-1.7	6	GP2X6B
3"	88.9	1.8-2.2	6	GP3X6B
4"	114	1.8-2.1	6	GP4X6B
6"	168	2.2-2.9	6	GP6X6B
8"	200	3.2-3.6	6	GP8X6B

General purpose ducting lengths include integral socket.

Please note this product comes in colour grey to black for both pipe and fittings.



SURETWIN →

Suredwin is a non-certified twin wall system which provides a cost effective alternative to conventional systems where a BBA or ESI duct is not required. The Suredwin system is currently available in 150mm diameter and meets the stiffness and normal duty impact requirements of BS EN 50086-2-4 : Type 450 compression resistance only.

Suredwin				
I.D. mm	O.D. mm	Length (m)	Pack qty	Product Code
150	178	6	36	GPT150X6B



INSTALLATION INFORMATION →

Ridgiduct Twin-Walled High Density Polyethylene Ducting must be installed in accordance with the general requirements and any additional site requirements.

The general requirements are to be in accordance with MCHW, Volume 3, as shown below.

Ducting laid in depths of cover other than those specified below must be laid in accordance with the procedures described in the contract with the Highways Agency (HA).

Ridgiduct must be adequately protected against damage from site construction traffic and from agricultural or similar operations.

When used as ducts for fibre optic cabling the recommendations in BS 7718 : 1996 should be followed.

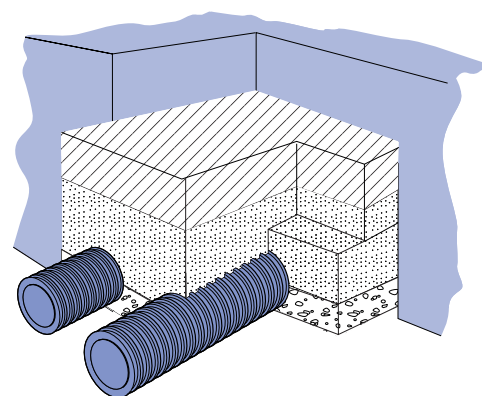
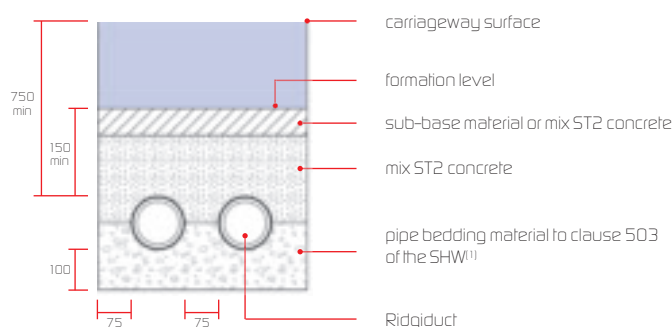
PROCEDURE (UNSEALED) →

Joints are made by a simple push-fit of one duct length into the coupler attached to the adjacent length, ensuring that the connection is fully made.

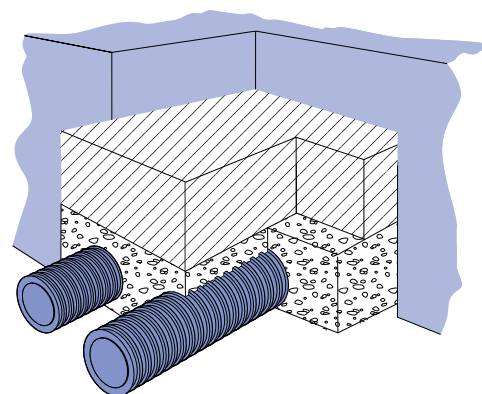
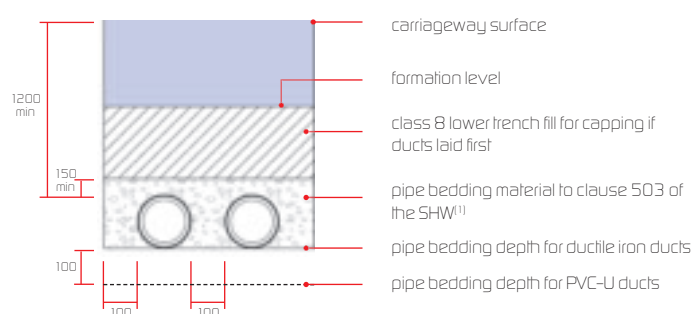
Inspection points can be made in the conventional manner depending upon the type of services to be installed.

TYPICAL UNSEALED STANDARD DUCT INSTALLATIONS

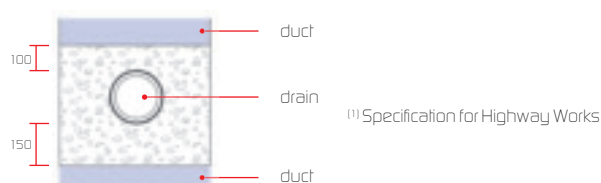
TYPE A SHALLOW DUCTS (750 TO 1200 COVER) →



TYPE B DEEP DUCTS (OVER 1200 COVER) →



MINIMUM CLEARANCE BETWEEN DUCT AND DRAIN →



MOTORWAY COMMS INSTALLATIONS SHOULD BE IN ACCORDANCE WITH MCHW SERIES 1500, FOR INSTALLATION DETAILS REGARDING MULTIPLE DUCT CONFIGURATIONS AND SEALED SYSTEMS, PLEASE REFER TO OUR TECHNICAL OFFICE FOR SPECIFIC ADVICE.

**RIDGIDUCT UTILITIES →**

Available in a range of colours which comply with NJUG classifications.

Ridgiduct Utilities			
I.D. mm	O.D. mm	Length (m)	Product Code
94	110	6	RB94x6
100	118	6	RB100X6
150	178	6	RB150X6
225	266	6	RB225X6
300	354	6	RB300X6

Subject to minimum order quantities. Other sizes available.

Ridgiduct Utilities features:

- Low weight, flexible, durable and high strength
- BBA approved and complies with BS EN 50086-2-4
- Good impact resistance, even at low temperatures
- Available in 1, 2, 3, and 6m lengths
- Print options available
- Available from stock

**RIDGICOIL UTILITIES →**

Ridgicoin is a strong yet flexible alternative to conventional ducting for underground utilities. Ridgicoin's flexibility eliminates the need for special bends and the smooth bore has a low co-efficient of friction for ease of cable installation. Supplied in 50m coils.

Ridgicoin			
Code	O.D. mm	I.D. mm	Length
RC40X50	40	31	50m
RC50X50	50	40	50m
RC63X50	63	50	50m
RC75X50	75	60	50m
RC90X50	90	71	50m
RC110X50	110	94	50m
RC160X25	160	140	25m

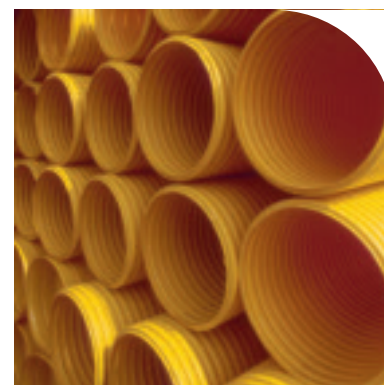
Ridgicoin Utilities features:

- Compliance with EN 50086-2-4: Type 450N, normal duty impact resistance
- Factory installed draw cord and couplings
- Optional sealing rings for sealed system
- Manufactured in polyethylene with excellent impact resistance at low temperatures
- Colours and printing to suit the end use application (maybe subject to lead times)
- Long coil lengths for reduced jointing
- Low weight, high strength

**GAS DUCTING →**

Single wall corrugated ducting for gas pipes. Available in either perforated or unperforated options.

Gas Ducting			
O.D. mm	Length (m)	Description	Product Code
60	150	Perforated	LD60150YGAS
60	150	Unperforated	UD60150YGAS



Please ensure you are using this product to the correct specification of the end users requirements.

**TELECOMMUNICATIONS DUCT →**

In addition to the Rigiduct range of twin wall Telecommunications ducting, Polypipe Civils manufactures a range of specialist UPVC Telecommunications ducting systems, manufactured in accordance with dimensions and performance requirements tried and tested by the telecommunications industry.

UPVC Green Cable TV Duct

I.D. mm	O.D. mm	Wall thickness mm	Length m	Standard	Product Code
49	54	1.55-1.70	6	-	TD54X6G
48.5	54	2.5-2.75	6	BS EN 50086	TD54/25X6G
90.5	96.5	2.8-3.0	6	BS EN 50086	TD90/28X6G
90	96.5	3.0-3.2	6	BS EN 50086	TD96X6G

UPVC Grey Duct

I.D. mm	O.D. mm	Wall thickness mm	Length m	Standard	Product Code
49	54	1.55-1.70	6	-	TD54X6GR
90	96.5	3.0-3.2	6	BS EN 50086	TD96X6GR

UPVC Black Duct

I.D. mm	O.D. mm	Wall thickness mm	Length m	Standard	Product Code
49	54	1.55-1.70	6	-	TD54X6B
90	96.5	3.0-3.2	6	BS EN 50086	TD96X6B

UPVC Telecommunications Ducts include integral socket

Telecommunications Ducts are available in black, grey and green as standard. Other colours are available on request subject to minimum order quantities and lead times.

DUCT REPAIR KITS →

Components for repairing sections of damaged duct.

Duct Repair Kits

Description	Standard Length (m)	Product Code
96.5mm Duct Repair Kit	0.5	DRK096

Duct Repair Kits features include:

- Available in 0.5, 2 and 3m lengths
- Easy installation
- Assembly instructions supplied



Telecommunications duct features include:

- Durable, high quality construction
- Low coefficient of friction for easy cable installation
- A short 54mm branch on swept tees for trouble-free installation in congested footways

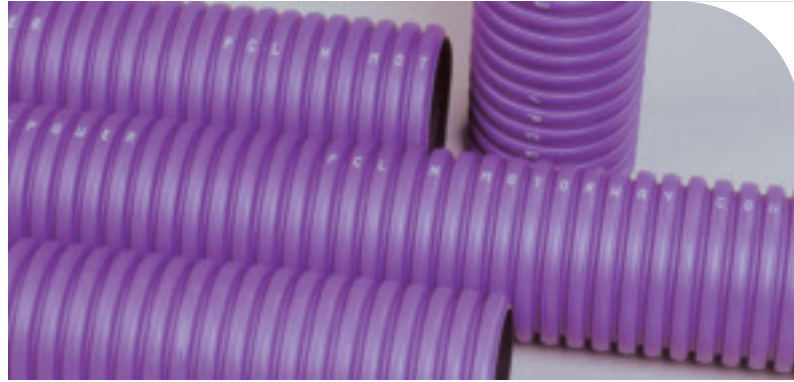


**RIDGIDUCT COMMS →**

Polypipe Civils is able to offer Ridgiduct Comms 94, 100 and 150mm as a sealed system specifically designed for motorway communications applications. Ridgiduct is fully integrated with Polypipe access boxes. (Refer to Lighting section).

Ridgiduct Comms features include:

- Type 450, normal duty
- IP47 rated sealed system
- BBA certified as a fully sealed system
- Certified to BS EN 50086-2-4 and meets the requirements of MCHW 1530
- Print options available
- Available in 6 and 12m lengths to minimise the number of joints

**Ridgiduct Comms**

Description	I.D. mm	Length (m)	Product Code
Purple motorway duct	94	6	RB94X6PMCPE
	100	6	RB 100X6PMCPE
	150	6	RB 150X6PMCPE
	94	12	RB94X12PMCPE
	100	12	RB 100X12PMCPE

Conforms to Highways Agency Specification for sealed systems.
Printed Motorway Comms/Power
Also available in black. Please contact us for further information.
Print options available. Please state requirements when ordering.

**POLYDUCT COMMS →**

Polyduct is manufactured in MDPE or HDPE and is available in coils. It can be used for either open trench or trenchless applications.

Polyduct Comms

O.D. mm	I.D. mm	Length	Product Code
60	50	50m coil	PD5060X50P
107	97	50m coil	PD97107X50P

The above ducting is made to order and is subject to minimum order quantities and lead times.
Also available in other lengths.

**Features include:**

- IP47 rated sealed system
- Two part plug allows for rapid fitting, both new and retrofit
- Integral air test valve
- Design resists ejection from the duct
- All 4 ports can be utilised by the use of an additional draw cord bracket

COMTITE TRANSIT SYSTEMS →

Comlite duct plugs, when used in conjunction with the insertable cable grommets, ensures full compliance with the requirements of Series 1530 of the Highways Agency Specification for Highway Works and is the only transit system accredited by the BBA for motorway comms. When used with Ridgiduct it completes a certified sealed system.

Comlite

Product Code	Description
DP94	94mm plug
DP100	100mm plug
DPG0	Blanking grommet with rope attachment point
DPG9	9mm grommet
DPG12	12mm grommet
DPG14	14mm grommet
DPG16	16mm grommet
DPG18	18mm grommet
DPG21	21mm grommet
DPG24	24mm grommet
DPG27	27mm grommet
DPG9x4	4x9mm grommet
DPG9x7	7x9mm grommet
DPRAB	L-bracket for rope attachment

Patent pending



**RIDGICOIL COMMS →**

Ridgicoil is a coiled twin wall duct, its flexibility eliminates the need for special bends and the smooth bore has a low co-efficient of friction for ease of cable installation.

Ridgicoil Comms

Code	O.D. mm	I.D. mm	Length
RC63X50PMCP	63	50	50m
RC110X50PMCP	110	94	50m

Ridgicoil Comms features:

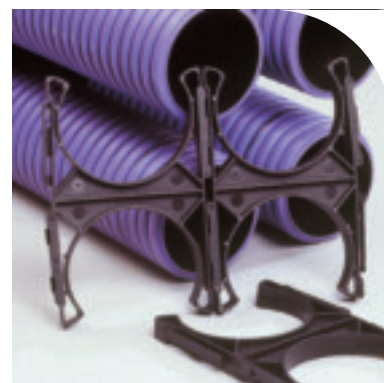
- Compliance with EN 50086-2-4:
Type 450N, normal duty impact resistance
- Manufactured in polyethylene with
excellence impact resistance at low
temperatures
- Long coil lengths for reduced jointing
- Factory installed draw cord and
coupling
- Optional sealing rings for sealed system
- Low weight, high strength

**DUCT SPACERS →**

High quality injection moulded spacers are available to secure multiple installations of all 94 and 100mm diameter ducts. The unique modular designs enables multiple configurations to be assembled. Duct spacers comply with the requirements of MCHW 1530.

Duct Spacers

Description	Duct ID	Product Code
2 way Duct Spacer (to suit 110mm O.D.)	94	RBS 110x2
4 way Duct Spacer (to suit 110mm O.D.)	94	RBS 110x4
6 way Duct Spacer (to suit 110mm O.D.)	94	RBS 110x6
2 way Duct Spacer (to suit 118mm O.D.)	100	RBS 118x2
4 way Duct Spacer (to suit 118mm O.D.)	100	RBS 118x4
6 way Duct Spacer (to suit 118mm O.D.)	100	RBS 118x6

**DRAW CORD →**

Manufactured from high quality polypropylene to a nominal breaking strength of 5kN.

Draw Cords

Description	Product Code	Pallet Qty
6mm Dia. x 220m	DC220	160
6mm Dia. x 500m (wooden drum)	DC500	72

**SPECIAL NOTE FOR APPLICATIONS SUBJECT TO HIGHWAYS AGENCY REQUIREMENTS →**

It should be noted that a number of versions of the Manual of Contract Documents for Highway Works are in use and individual contracts can be subject to substantial variation. Suitability should always be checked with the overseeing organisation. Products selected should be BBA approved or meet the requirements of Table 5/2 unless exceptional requirements demand an alternative. It should also be noted that there are differences between requirements for ducts in Series 500 and 1500 of the Specification for Highway Works.



RIDGIDUCT LIGHTING →

Ridgiduct lighting is a twin wall low weight flexible duct system, specifically manufactured in orange for use in street lighting and traffic signals applications. A full range of access and junction boxes, bends, reducers and adaptors completes the system.

Ridgiduct Lighting

Nom. Size	O.D. mm	Length	Product Code
94	110	6m	RB94X60(SL or TS)
100	118	6m	RB 100X60(SL or TS)
150	178	6m	RB 150X60(SL or TS)

Ridgiduct Lighting features include:

- Impact resistance, even at low temperatures
- Flexible in application, with a minimal requirement for special bends
- BBA approved and complies with BS EN 50086-2-4
- Available with print options for traffic signals and street lighting



POLYDUCT LIGHTING →

Polyduct lighting is a single wall alternative to twin wall ducts. Manufactured in orange MDPE or HDPE. It can be used in either open trench or trenchless applications.

Polyduct Lighting

O.D. mm	I.D. mm	Wall Thickness	Length (m)	Product Code
60	50	5	6	PD5060X60(TS or SL)
63	56	3.5	6	PD5663X60(TS or SL)
107	97	5	6	PD97107X60(TS or SL)

Available with street lighting or traffic signal print. Please specify with order.



RIDGICOIL LIGHTING →

Ridgicoil's flexibility eliminates the need for special bends and the smooth bore has a low co-efficient of friction for ease of cable installation.

Ridgicoil Lighting

Code	O.D. mm	I.D. mm	Length
RC65X500 (SL or TS)	63	50	50m
RC110X500 (SL or TS)	110	94	50m

Ridgicoil Lighting features:

- Long coil lengths for reduced jointing
- Compliance with EN 50086-2-4: Type 450N, normal duty impact resistance
- Factory installed draw cord and coupling

Lighting in Scotland has specific requirements and for this purpose Polypipe Civils manufacture a single wall polypropylene duct range.

LIGHTING IN SCOTLAND →

Lighting in Scotland

Description	Nom. Size	I.D. mm	Product Code
100m coil	60	53	SSL60X100P
40m coil	100	90	SSL 100X40P

Purple as standard. Other colours available on request. Minimum order 50 coils.



ACCESS BOXES →

Polypipe Civils offers a comprehensive range of 5 duct access boxes in single, double or triple height units.

Access Boxes

Product Code	Description	Height mm	Box opening* mm		External mm	
			Width	Depth	Width	Depth
AC2902751	290x275 Single Unit	300	325	310	390	375
AC4503001	450x300 Single Unit	300	485	335	550	400
AC4503002	450x300 Double Unit	640	485	335	550	400
AC4503003	450x300 Triple Unit	980	485	335	550	400
AC4504501	450x450 Single Unit	300	470	470	550	550
AC4504502	450x450 Double Unit	640	470	470	550	550
AC4504503	450x450 Triple Unit	980	470	470	550	550
AC6004501	600x450 Single Unit	300	635	485	700	550
AC6004502	600x450 Double Unit	640	635	485	700	550
AC6004503	600x450 Triple Unit	980	635	485	700	550
AC6006001	600x600 Single Unit	300	635	635	700	700
AC6006002	600x600 Double Unit	640	635	635	700	700
AC6006003	600x600 Triple Unit	980	635	635	700	700

* The clear opening for boxes is greater than the clear opening for frames. See the relevant tables for details of clear openings of frames.

Access box features include:

- Robust, single-piece injection or rotational mouldings
- High strength, structured wall construction
- Manufactured in impact resistant polyethylene for installation in all conditions
- Corrosion free and chemical resistant material
- Ultraviolet light resistant material, suitable for extended storage periods
- Light, easy to handle, transport and install
- Provision of guaranteed cover to the ducting of 450 or 750mm for double and triple height units
- Modular construction, allowing access boxes to be used as rising sections as required
- Pre-tapped points of entry to accommodate 54, 63, 110 and 118mm outside diameter ducting, covering the full range of products in the industry
- Supplied black as standard, other colours may be available subject to order quantity and lead times



POLE BOXES →

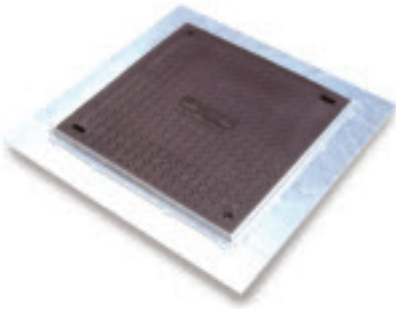
The range of 4 pole boxes is available in 290x275mm and 450x450mm sizes, incorporating integral housings for 114 and 140mm poles and are manufactured from polyethylene. The pole box provides 450mm depth of cover as standard, extendable if required using modular access boxes as rising sections.

Pole Boxes

Product Code	Description	Height mm	Box opening* mm		External mm		Pole Box mm
			Width	Depth	Width	Depth	
PB2902751	290x275	640	325	310	680	400	114
PB2902752	290x275	640	325	310	680	400	140
PB4504501	450x450	640	470	470	875	600	114
PB4504502	450x450	640	470	470	875	600	140

* The clear opening for boxes is greater than the clear opening for frames.



**COMPOSITE COVERS →**

New advanced skid resistance composite covers are available for the range of access, pole and signal boxes. Manufactured in high strength, fibre-reinforced polyester resin and to BS EN 124 Class B 125.

Composite Covers

Product Code	Nominal Size mm
CC290275	290 x 275
CC450300	450 x 300
CC450450	450 x 450
CC600450	600 x 450
CC600600	600 x 600

→ Locking systems also available

Performance

In tests the unique anti-slip composite covers achieve a SRV (Skid Resistance Value) far in excess of minimum limits set by the Country Surveyors Society working party data collection unit 1-96.

Skid Resistance Values

Test	Value
Dry Test	SRV87
Wet Test	SRV76
Equilibrium Wet Test	SRV64

Frame sold separately

**GALVANISED STEEL COVERS →**

Galvanised steel covers and frames are manufactured to the FACTA (Fabricated Access Cover Trade Association) Class B specification, equivalent to BS EN 124 Class B 125.

Galvanised Steel Covers & Frames

Product Code	Clear Opening mm
GCF290275	290 x 275
GCF450300	450 x 300
GCF450450	450 x 450
GCF600450	600 x 450
GCF600600	600 x 600

Typical places of installation include areas subject to slow moving wheel loads, including footways, pedestrian areas, car parks and verges.

**DUCTILE IRON COVERS & FRAMES →**

Ductile iron access box covers are manufactured to BS EN 124 Class B 125.

Ductile Iron Covers & Frames

Product Code	Clear Opening mm	A mm
DCF450450	450 x 450	100
DCF600450	600 x 450	60
DCF600600	600 x 600	60



UPVC Specification and Utility duct features include:

- 54 and 96.5mm Utility ducting for electrical cables, water services, telecommunications and gas services
- 110 and 160mm OD Type 4660 ducting in dimensional compliance with BS 4660 available sealed and unsealed



UPVC SPECIFICATION AND UTILITY DUCTS →

Polypipe Civils specification and utility ducts are widely and successfully used for the carriage of all types of services in a range of applications including industrial, domestic and commercial. Specification ducts are more robust than General Purpose duct.

UPVC utility ducts were the first widely available thermoplastic ducts and are available in a number of different sizes to suit all common specification requirements. Please contact Polypipe Civils technical department for more information.

The most common sizes used are illustrated.

Type 4660 duct non-sealed			
Dia. inches	Wall thickness mm	Length m	Product Code
110	3.2-3.5	6	SD110X6B
160	4.1-4.7	6	SD160X6B

(dimensions compliant only)

Type 4660 duct sealed			
Dia. inches	Wall thickness mm	Length m	Product Code
110	3.2-3.5	6	SD110X6BPE
160	4.1-4.7	6	SD160X6BPE

(dimensions compliant only)