

Ducting

Keyline offers some of the most technically advanced and comprehensive ducting systems available in the UK today.

The system comprises a varied type of duct from uPVC to HDPE complete with the most up-to-date design of access box, cover and frames.

Ducting is manufactured to BS EN 50086.2.4 and BBA, as required by the Highways Agency.



Ducting

HDPE duct is available in solid wall, twin-wall smooth bore and single wall corrugated profiles. The lightweight, flexible duct copes with trench undulations and high impact resistance minimises special preparation of beds and eliminates the need for special surrounds in most instances.

The duct has push fit joints for ease of installation and HDPE flexibility minimises the need for special bends. Duct is colour coded to end user requirements and can be printed to individual requirements.

Access Chambers

HDPE chamber sections are manufactured in one piece for high strength and rigidity. Identical sections can be stacked to obtain the required height.

A wide range of chamber sections is available, all of which have preformed trepanned rings that take up to 160mm ducting. Hole sizes are designed to provide a 'snug fit' but to allow for variations in duct entry angle.

The lightweight sections are surrounded by in-situ concrete and offer substantial savings over traditional chambers.

Composite Covers

High impact composite covers are available to complement the most popular access chamber sizes.

The covers are supplied with galvanised steel frames. The standard colour is black, with a non-slip surface.

As standard, Keyline stock covers and frames badged 'Traffic Signal' or 'Street Lighting' which come with a locking facility included.

NJUG Colour Coding



Black/Red	Electricity
Orange	Street Lighting/Traffic Signal
Purple	Motorway Communications/Street Lighting (Scotland)
Yellow	Gas
Blue	Water
Green	CCTV
Grey	Telecommunications

Electric

ID/OD mm	Length m	Pack Quantity	Supplier Code	Keyline Code
94/110	6	100	29120	537013
100/120	6	102	29278	528091
125/145	6	72	29111	528117
137/160	6	33	29119	528152
150/178	6	28	29112	528118

High Density Polyethylene Twin Wall Ducting

- Black – marked Electric
- Manufactured to BS EN 50086.2.4
- 2 and 3m lengths available upon request
- Supplied with one coupling per length

ID/OD mm	Length m	Pack Quantity	Supplier Code	Keyline Code
94/110	1	100	29285	-
100/120	1	102	29080	528119
125/145	1	72	29210	-
150/178	1	28	29121	-
94/110	3	100	29070	-
100/120	3	102	29081	528125
125/145	3	72	29242	528126
150/178	3	28	29223	528127

Twin Wall Split Duct

- Black – marked Electric
- Complete with dowels or ties as appropriate
- Supplied with one coupling per length

Street Lighting/Traffic Signal

ID/OD mm	Description	Length m	Pack Quantity	Supplier Code	Keyline Code
50/63	Street Lighting	6	158	29087	528128
50/63	Traffic Signal	6	158	29086	528129
50/63	Street Lighting	50	-	29091	528130
50/63	Traffic Signal	50	-	29090	528131
94/110	Street Lighting	6	100	29085	528133
94/110	Traffic Signal	6	100	29084	528134
94/110	Street Lighting	50	-	29089	528135
94/110	Traffic Signal	50	-	29088	528136
100/120	Street Lighting	6	102	29083	528137

ID/OD mm	Description	Length m	Pack Quantity	Supplier Code	Keyline Code
100/120	Traffic Signal	6	102	29082	528138
137/160	Street Lighting	6	33	29198	528139
137/160	Traffic Signal	6	33	29189	528140
137/160	Street Lighting	50	-	29135	-
137/160	Traffic Signal	50	-	29348	-
150/178	Street Lighting	6	28	29061	-
150/178	Traffic Signal	6	28	29356	-

High Density Polyethylene Twin Wall Ducting

- Orange – marked Street Lighting or Traffic Signal
- Coils supplied with pre-installed draw string
- Manufactured in accordance with BS EN 50086.2.4
- Supplied with one coupling per length

Motorway Communication



ID/OD mm	Length m	Pack Quantity	Supplier Code	Keyline Code
50/63	50	-	29279	528235
94/110	6	100	29043	528142
94/110	50	-	29280	528242
100/120	6	102	29200	528144
137/160	6	33	29249	-
137/160	50	-	29019	-
150/178	6	28	29059	-

High Density Polyethylene Twin Wall Ducting

- Purple – marked Motorway Communications (Street Lighting Scotland)
- Available as a sealed system
- Coil supplied with pre-installed draw string
- Manufactured in accordance with BS EN 50086.2.4
- Supplied with one coupling per length

Other Utilities

ID/OD mm	Colour	Length m	Pack Quantity	Supplier Code	Keyline Code
94/110	Yellow	6	100	29045	528145
94/110	Blue	6	100	29110	528146
94/110	Green	6	100	29281	528147
100/120	Yellow	6	102	29349	-
100/120	Blue	6	102	29350	-
100/120	Green	6	102	29351	-
137/160	Yellow	6	33	29244	553488
137/160	Blue	6	33	29241	553489
150/178	Yellow	6	28	29358	528148
150/178	Blue	6	28	29355	528149
150/178	Green	6	28	29359	-

High Density Polyethylene Twin Wall Ducting.

- Supplied with one coupling per length
- Manufactured in accordance with BS EN 50086.2.4

Coiled Ducting



ID/OD mm	Colour	Length m	Supplier Code	Keyline Code
32/40	Black*	50	29020	528230
40/50	Black*	50	29265	528231
40/50	Blue	50	29026	528232
50/63	Black*	50	29113	528233
50/63	Purple	50	29279	528141
50/63	Yellow	50	29040	528236
50/63	Green	50	29094	528237
50/63	Blue	50	29039	528238
75/90	Black*	50	29266	528239
94/110	Black*	50	29267	528240

*Marked Electric



ID/OD mm	Colour	Length m	Supplier Code	Keyline Code
94/110	Purple	50	29280	528242
94/110	Yellow	50	29050	528243
94/110	Green	50	29171	528244
94/110	Blue	50	29049	528245
137/160	Black*	25	29268	528246
137/160	Black*	50	29092	528247
137/160	Purple	50	29019	-

High Density Polyethylene Twin Wall Ducting.

- HDPE/LDPE Twin Wall Ducting
- Supplied in coils with pre-inserted draw string
- Manufactured in accordance with BS EN 50086.2.4

Gas Pipes

ID/OD mm	Length m	Pack Quantity	Supplier Code	Keyline Code
94/100	6	100	29045	528145
100/120	6	102	29349	-
137/160	6	33	29244	553488
150/178	6	28	29358	-

- Kitemarked BS4962
- Manufactured to Transco requirements
- Yellow - Gas identification colour
- Perforated
- Available in 60, 80 and 100mm diameter
- Also available in flexible coils

Street Lighting/Traffic Signal

ID/OD mm	Description	Length m	Pack Quantity	Supplier Code	Keyline Code
53/63*	Street Lighting	6	288	38028	528298
97/107	Street Lighting	6	76	38091	528299
53/63*	Traffic Signal	6	288	38059	-
97/107	Traffic Signal	6	76	38004	-

- HDPE Smooth
- Colour orange

*Subject to minimum order quantity and lead time.

Access Chambers



Ref.	Width mm	Length mm	Supplier Code	Keyline Code
PAC 6	300	300	69121	554759
PAC 3	300	450	69124	554743
PAC 1	450	450	69012	554747
PAC 5	450	600	69123	554748
PAC 12	600	600	69122	554749
PAC 4	450	900	69036	604443

- All chambers have preformed trepanned cutout rings to suit a variety of duct
- Modular sections
- Easily stacked
- Economical - saves costs
- Depth 335mm. PAC4 Depth 250mm
- Suitable to take up to 160mm duct
- Stacked depth 325mm
- Access Chamber required every 50-100m depending on application (excluding motorway communications)

Pole Boxes

Description	Width mm	Length mm	Height mm	Supplier Code	Keyline Code
PAC POLE 6	275	285	295	69024	537040
PAC POLE 1	450	450	500	69025	537042

- Protect Cables
- Easy Access
- Clamp holds pole securely

Access Box Cover and Frames

Ref.	Width mm	Length mm	Supplier Code	Keyline Code
B125	300	300	69128	537168
B125	300	450	69129	537169
B125	450	450	69127	537170
B125	450	600	69126	537171
B125	600	600	69125	537172

General Purpose Duct PVC-u



Diameter in	Diameter mm	Wall Thickness mm	Pack Quantity	Supplier Code	Keyline Code
2	54	1.5 - 1.7	252	30052	528272
4	114	1.9 - 2.4	86	30054	528274
6	168	2.2 - 2.9	39	30055	528275

- 6m lengths
- Supplied in Black or Grey dependent upon availability
- Only recommended for light duty applications
- Check suitability before installation

NB: Requires adequate protection during installation