

NaylorMetroDuct

Premium Ducting System










BS EN50086-2.4
Lic. No. KM 57808



MetroTwin and MetroFlex Twinwall Ducting

Naylor Metro twinwall ducting offers the advantages of a lightweight flexible product combined with high strength and durability. MetroTwin (sticks) and MetroFlex (coils) are designed to meet the required compression strength to current Highways specification and are supplied in various colours and markings to suit NJUG recommendations. Manufactured in polyethylene, the pipe is normally supplied in either 6 metre lengths or 50 metre coils. The external corrugated profile gives the product added strength and the internal bore is smooth to prevent cables from snagging. If required, a sealed joint

may be achieved by using two profile seals and a push fit coupling.

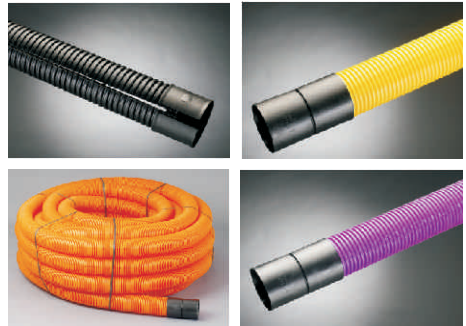
-  **Black/Red** - Electricity/Power
-  **Orange** - Street Lighting/Traffic Signal
-  **Purple** - Motorway Communication/ Street Lighting (Scotland)
-  **Yellow** - Gas
-  **Blue** - Water
-  **Green** - CCTV
-  **Grey** - Telecommunications

Applications and benefits

- **Cable TV**
- **Motorway Communications and Traffic Management**
- **Light Rail Systems**
- **Railtrack**
- **Water**
- **Gas**
- **Electricity**
- **Street Lighting and Traffic Signals**

BBA - All Naylor twinwall duct is fully compliant to the new BBA certification for sealed systems (if required) which incorporates sizes 63mm - 178mm OD in 6 metre lengths.

Metro duct is available in smooth wall, twinwall and singlewall corrugated profiles. The lightweight, flexible duct copes with trench undulations and the high impact resistance minimises special preparation of beds and eliminates the need for special surrounds in most instances.



- The duct has simple push fit joints for ease of installation and HDPE flexibility minimises the need for bends
- Duct is colour coded to customer requirements and can be printed to individual customer specifications
- High compression strength
- Protects cables and reduces risk of damage
- Water resistant if sealed and can be laid at extreme temperatures
- High chemical resistance

NaylorMetroDuct

Premium Ducting System



Metro Twinwall

Heavy Duty High Density Polyethylene Twinwall Ducting
Printed - Electric Cable Duct
Black



ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	29120
100/120	6	102	29278
125/145	6	72	29111
137/160	6	33	29119
150/178	6	28	29112
100/120	3	102	29208
125/145	3	72	29273
150/178	3	28	29275
100/120	2	102	29347
125/145	2	72	29199
150/178	2	28	29209

Supplied with one coupling per length



Metro Twinwall Split Duct

C/W Dowels and ties as appropriate

ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	1	100	29285
100/120	1	102	29080
125/145	1	72	29210
150/178	1	28	29121
94/110	3	100	29070
100/120	3	102	29081
125/145	3	72	29242
150/178	3	28	29223

Supplied with one coupling per length



Metro Twinwall

High Density Polyethylene
Twinwall Ducting
Unprinted
Black

ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	71062
100/120	6	102	71038
125/145	6	72	71114
137/160	6	33	71115
150/178	6	28	71039

Supplied with one coupling per length



MetroFlex Twinwall

HDPE/LDPE Twinwall
Coiled Ducting
Printed - Electric Cable Duct
Black



ID/OD (mm)	Length (m)	Colour	Code
32/40	50	Black	29020
40/50	50	Black	29265
50/63	50	Black	29113
75/90	50	Black	29266
94/110	50	Black	29267
137/160	25	Black	29268
137/160	50	Black	29092

Coils supplied with pre-installed draw string and coupling.



Metro Twinwall

Twinwall Ducting
Printed - Motorway Communications
Purple



ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	29043
100/120	6	102	29200
137/160	6	33	29249
150/178	6	28	29059

Specification: BS EN 50086.2.4 & BBA
When required as a sealed system pipes supplied plain ended with couplings separate.
Order sealing rings separately as required.
Fully compliant with Highways Specification. Supplied with one coupling per length.



MetroFlex Twinwall

Twinwall Coiled Ducting
Printed - Motorway Communications
Purple



ID/OD (mm)	Length (m)	Colour	Code
50/63	50	Purple	29279
94/110	50	Purple	29280
137/160	50	Purple	29019

Coils supplied with pre-installed draw string and coupling.



Metro Duct Plug

Airtight Rubber
Duct Plug
Black

ID/OD (mm)	Colour	Code
94	Black	29342
100	Black	29343

A rubber plug which provides an air tight seal avoiding ingress of water and build up of methane gas within the cable duct system.
Fully compliant with Highways Specification series 1500.
Other Size available to order, subject to lead times.



Metro Twinwall

Twinwall Ducting
Printed - Street Lighting,
Traffic Signal or Unprinted
Orange



ID/OD (mm)	Length (m)	Pack Qty	Plain Code	Street Lighting Code	Traffic Signal Code
50/63	6	158	-	29087	29086
94/110	6	100	29042	29085	29084
100/120	6	102	29052	29083	29082
137/160	6	33	29197	29198	29189
150/178	6	28	29357	29061	29356

Supplied with one coupling per length



MetroFlex Twinwall

Twinwall Coiled Ducting
Printed - Street Lighting,
Traffic Signal or Unprinted
Orange



ID/OD (mm)	Length (m)	Plain Code	Street Lighting Code	Traffic Signal Code
50/63	50	29037	29091	29090
94/110	50	29047	29089	29088
137/160	50	29124	29135	29348

Coils supplied with pre-installed draw string and coupling.



Metro Twinwall

Twinwall Utility Ducting
Gas Pipes
Unprinted
Yellow



ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	29045
100/120*	6	102	29349
137/160	6	33	29244
150/178	6	28	29358

*Subject to minimum order quantity and lead time.
Supplied with one coupling per length.



Metro Twinwall

Twinwall Utility Ducting
Water Pipes
Unprinted
Blue



ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	29110
100/120*	6	102	29350
137/160	6	33	29241
150/178	6	28	29355

*Subject to minimum order quantity and lead time.
Supplied with one coupling per length.



Metro Twinwall

Twinwall Utility Ducting
CCTV
Unprinted
Green



ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	29281
100/120*	6	102	29351
137/160	6	33	29250*
150/178	6	28	29359

*Subject to minimum order quantity and lead time.
Supplied with one coupling per length.



Metro Twinwall

Twinwall Utility Ducting
Telecommunications
Unprinted
Grey



ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	29238
150/178	6	28	29396

Supplied with one coupling per length.



Metro Twinwall

Twinwall Utility Ducting
Unprinted
Red*



ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	29170

*Subject to minimum order quantity and lead time.
Supplied with one coupling per length.



Metro Twinwall

Twinwall Utility Ducting
Unprinted
Brown*



ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	29068

*Subject to minimum order quantity and lead time.
Supplied with one coupling per length.

Naylor MetroDuct

Premium Ducting System



Metro Twinwall
Twinwall Utility Ducting
Urban Traffic Control
Printed - UTC
Brown

ID/OD (mm)	Length (m)	Pack Qty	Code
94/110	6	100	29069

Supplied with one coupling per length.



MetroFlex Twinwall
Twinwall Utility Coiled Ducting
Gas Pipes
Unprinted
Yellow

ID/OD (mm)	Length (m)	Code
50/63	50	29040
94/110	50	29050

Coils supplied with pre-installed draw string and coupling. Other colours available subject to a minimum order quantity and lead time.



MetroFlex Twinwall
Twinwall Utility Coiled Ducting
Water Pipes
Unprinted
Blue

ID/OD (mm)	Length (m)	Code
40/50	50*	29026
50/63	50	29039
94/110	50	29049

*Subject to minimum order quantity and lead time. Coils supplied with pre-installed draw string and coupling. Other colours available subject to a minimum order quantity and lead time.



MetroFlex Twinwall
Twinwall Utility Coiled Ducting
CCTV
Unprinted
Green

ID/OD (mm)	Length (m)	Code
50/63	50	29094
94/110	50	29171

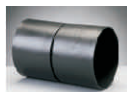
Coils supplied with pre-installed draw string and coupling. Other colours available subject to a minimum order quantity and lead time.



MetroCoil Singlewall
Perforated Gas Coiled Ducting
Kitemarked to BS 4962
Unprinted
Yellow

ID/OD (mm)	Length (m)	Code
60	50	68075
60	150	68074
80	25	68073
80	50	68072
80	100	68071
100	25	68070
100	50	68069
100	100	68068

Complies with TRANSCO specification. Coils supplied with coupling.



Couplings

Black as standard

OD (mm)	Code	OD (mm)	Code
40	29161	120	29101
50	29167	145	29100
63	29104	160	29099
90	29103	178	29098
110	29225		



Sealing Rings

For a sealed system, 2 sealing rings required per 6m length

Black as standard

DIA (mm)	Code	DIA (mm)	Code
63	29114	145	29354
110	29107	160	29106
120	29115	178	29117



Twinwall Bends

Black

ID/OD (mm)	11¼° Code	22½° Code	45° Code	90° Code
94/110	29144	29141	29138	29149
100/120	29215	29174	29164	29159
125/145	29243	29165	29166	29156
137/160	29022	29180	29181	29182
150/178	29262	29183	29163	29162

Supplied plain ended. Order couplings separately. Other colours available subject to minimum order quantity and lead time.



End Caps

DIA (mm)	Code	DIA (mm)	Code
63	29131	145	29127
90*	29130	160	29126
110	29129	178	29168
120	29128		

*Subject to minimum order quantity and lead time.



MetroCoil Singlewall

Polyethylene Coiled Ducting
Street Lighting - Scotland
Unprinted
Purple

ID/OD (mm)	Length (m)	Colour	Code
29/35	25	Purple	M68027
50/63	100	Purple	M68006
90/105	40	Purple	M68001
150/163	30	Purple	M68110

Coils supplied with pre-installed draw string and coupling.



MetroCoil Connectors

Black

OD (mm)	Colour	Code
63	Black	M29343
105	Black	M29345



MetroCoil Junction Boxes

Purple

OD (mm)	Colour	Code
105	Purple	M68132



Marker Tape

365m Rolls

Printed as Service

Service	Colour	Code
Electric Cable	Yellow	34036
Water Main	Blue	34037
Gas Main	Yellow	34038
Telephone Cable	Green	34039
Foul Sewer	Red	34040
Street Lighting	Yellow	34041



Duct Spacer

Sizes relate to outside diameters

Description	Size (mm)	Code
4 Way	110*	29230
4 Way	120*	29375

*Subject to a minimum order quantity and lead time.



MetroCoil Reducers

Black

OD (mm)	Colour	Code
105x63	Black	68008

Ancillaries



Universal Lubricant

Supplied in plastic tubs

Size (Kg)	Code
1	50001
2.5	50002



Draw Cord

Nominal 5Kn Breaking Strength.
6mm Cord.

Description	Code
220 Metre Coil	29264
500 Metre Drum	29191