



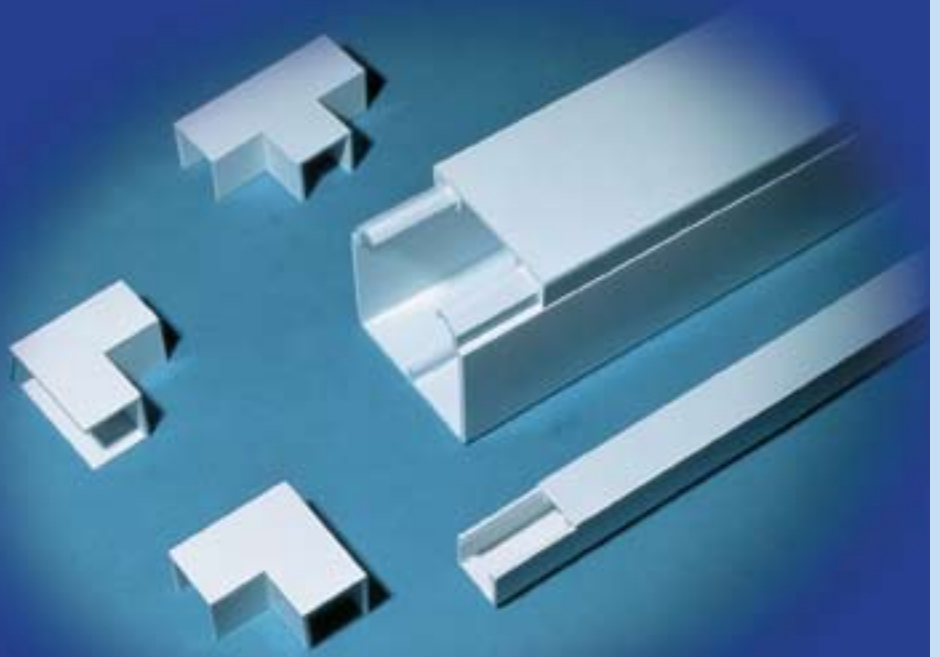
DECODUCT

**MANUFACTURED IN ACCORDANCE WITH
BRITISH STANDARDS**

Trunking & Fittings : BS EN 50085

**Mini Trunking Switch BS 5733
& Socket Boxes : BS 4662**

MINI & MAXI TRUNKING SYSTEMS





Mini Trunking System

DECODUCT Mini Trunking System is manufactured from high impact uPVC compound to withstand harsh environments. Clip-on lid provides security while at the same time is easy to remove. Available in self fixing form with self fix tape for rapid and easy installation.



MICRO TRUNKING

Item code	Size (mm)	Standard packs		Bulk packs
		Pcs	Mtrs	
DMT 0	12 x 8	50	145	-



MINI TRUNKING

Item code	Size (mm)	Standard packs		Bulk packs
		Pcs	Mtrs	
DMT 1	16 x 16	30	87.0	-
DMT 2	25 x 16	20	58.0	-
DMT 3	38 x 16	20	58.0	-
DMT 4	38 x 25	15	43.5	-
DMT 5	38 x 38	8	23.2	-



TWIN COMPARTMENT TRUNKING

Item code	Size (mm)	Standard packs		Bulk packs
		Pcs	Mtrs	
DMT 3C	38 x 16	20	58	-



SELF FIX MINI TRUNKING

Item code	Size (mm)	Standard packs		Bulk packs
		Pcs	Mtrs	
DMT 0SF	12 x 8	50	145	-
DMT 1SF	16 x 16	30	87.0	-
DMT 2SF	25 x 16	20	58.0	-
DMT 3SF	38 x 16	20	58	-
DMT 4SF	38 x 25	15	43.5	-
DMT 5SF	38 x 38	8	23.2	-

• To be used on dust free surface • Peel off backing film in small lengths at a time
• Position trunking accurately and press to clean surface

Options : Standard length 2.9metres in white. Other lengths and colours are available upon request.

Mini Trunking Fittings

DECODUCT Mini Trunking Fittings are designed to snap on to the trunking to provide a secure and aesthetic finish.



COUPLERS

Item code	Size (mm)	Standard packs	Bulk packs
DMNC 1	16 x 16	10	-
DMNC 2	25 x 16	10	-
DMNC 3	38 x 16	10	-
DMNC 4	38 x 25	10	-
DMNC 5	38 x 38	10	-



SURFACE BOX ADAPTORS

Item code	Size (mm)	Standard packs	Bulk packs
DMNA 1	16 x 16	10	-
DMNA 2	25 x 16	10	-



END CAPS

Item code	Size (mm)	Standard packs	Bulk packs
DMEC 1	16 x 16	10	-
DMEC 2	25 x 16	10	-
DMEC 3	38 x 16	10	-
DMEC 4	38 x 25	10	-
DMEC 5	38 x 38	10	-



INSIDE ANGLE

Item code	Size (mm)	Standard packs	Bulk packs
DMAI 1	16 x 16	10	-
DMAI 2	25 x 16	10	-
DMAI 3	38 x 16	10	-
DMAI 4	38 x 25	10	-
DMAI 5	38 x 38	10	-

Options : White. Other colours are available upon request



Mini Trunking Fittings

DECODUCT Mini Trunking Fittings are designed to snap on to the trunking to provide a secure and aesthetic finish.



OUTSIDE ANGLE

Item code	Size (mm)	Standard packs	Bulk packs
DMAO 1	16 x 16	10	-
DMAO 2	25 x 16	10	-
DMAO 3	38 x 16	10	-
DMAO 4	38 x 25	10	-
DMAO 5	38 x 38	10	-



FLAT ANGLE

Item code	Size (mm)	Standard packs	Bulk packs
DMAF 1	16 x 16	10	-
DMAF 2	25 x 16	10	-
DMAF 3	38 x 16	10	-
DMAF 4	38 x 25	10	-
DMAF 5	38 x 38	10	-



FLAT TEE

Item code	Size (mm)	Standard packs	Bulk packs
DMTF 1	16 x 16	10	-
DMTF 2	25 x 16	10	-
DMTF 3	38 x 16	10	-
DMTF 4	38 x 25	10	-
DMTF 5	38 x 38	10	-

Options : White. Other colours are available upon request

Mini Trunking Mounting Boxes

Fitted with M3.5 brass inserts. Earth terminal facility. Fixing centres 60.3mm for single gang and 120.6mm for twin gang boxes



TWIN GANG SURFACE MOUNTING BOX

Item code	DST2/A	Bulk packs
Type	with K.O.	120
Size	87 x 147mm	
Depth	32mm	
Entries	For DMT2 LH,RH and centre entry	
Std Packs	10	



TWIN GANG SURFACE MOUNTING BOX

Item code	DST2/B	Bulk packs
Type	with K.O.	120
Size	87 x 147mm	
Depth	32mm	
Entries	For DMT3 LH,RH and centre entry	
Std Packs	10	



TWIN GANG SURFACE MOUNTING BOX

Item code	DST2/C	Bulk packs
Type	with K.O.	120
Size	87 x 147mm	
Depth	32mm	
Entries	For DMT1 and DMT2	
Std Packs	10	



TWIN GANG SURFACE MOUNTING ACCESSORY BOX

Item code	DST2	Bulk packs
Type	Plain	120
Size	87 x 147mm	
Depth	32mm	
Std Packs	10	



Mini Trunking Mounting Boxes

Fitted with M3.5 brass inserts. Earth terminal facility. Fixing centres 60.3mm for single gang and 120.6mm for twin gang boxes



SINGLE GANG SURFACE MOUNTING BOX

Item code	DSO2/A	Bulk packs
Type	with K.O.	240
Size	87 x 87mm	
Depth	32mm	
Entries	For DMT1 and DMT2 LH,RH and centre entry	
Std Packs	20	



SINGLE GANG SURFACE MOUNTING BOX

Item code	DSO2/B	Bulk packs
Type	with K.O.	240
Size	87 x 87mm	
Depth	32mm	
Entries	For DMT3 LH,RH and centre entry	
Std Packs	20	



SINGLE GANG SURFACE MOUNTING BOX

Item code	DSO2/C	Bulk packs
Type	with K.O.	240
Size	87 x 87mm	
Depth	32mm	
Entries	For DMT1 and DMT2	
Std Packs	20	



SINGLE GANG SURFACE MOUNTING BOX

Item code	DSO2	Bulk packs
Type	Plain	240
Size	87 x 87mm	
Depth	32mm	
Std Packs	20	

Options : White. Other colours are available upon request

Maxi Trunking System

DECODUCT Maxi Trunking System design is robust and built to last as it is manufactured from a super high impact uPVC compound to withstand the most harsh working environments. Its design has been improved with security in mind and at the same time giving the convenience to segregate cables by using the new clip-in dividers for all seven sizes



MAXI TRUNKING

Item code	Size (mm)	Standard packs		Bulk packs
		Pcs	Mtrs	
DXT 1	50 x 50	8	23.2	-
DXT 2	75 x 50	4	11.6	-
DXT 3	75 x 75	4	11.6	-
DXT 5	100 x 100	2	5.8	-
DXT 6	150 x 100	2	5.8	-



MAXI TRUNKING

Item code	Size (mm)	Standard packs		Bulk packs
		Pcs	Mtrs	
DXT 4/A	100 x 40	4	11.6	-
DXT 4	100 x 50	4	11.6	-

DXT 4 & DXT4/A fitted with dividing fillet DDF1 for segregation of Data, Power and Communication cables along with DXT B1 & DXT B2 accessory box



DIVIDING FILLET

Item code	Size (mm)	Standard packs		Bulk packs
		Pcs	Mtrs	
DDF 0	40 for use with use DXT4/A	10	29	-
DDF 1	50 for use with DXT1, DXT2, & DXT4	10	29	-
DDF 2	75 for use with DXT3	10	29	-
DDF 3	100 for use with DXT5, DXT6	10	29	-



1 & 2 GANG

MAXI TRUNKING FLUSH ACCESSORY BOX

Item code	Size (mm)	Standard packs	Bulk packs
DXT B1	87 X 87 X 25	20	320
DXT B2	87 X 147 X 25	10	160

*Suitable for installation with DXT4/A and DXT4

Options : White. Other colours are available upon request. • Standard length 2.9meters



Maxi Trunking Fittings

Maxi Trunking Fittings are available both moulded and fabricated to the highest precision so as to suit the trunking profiles allowing secured, quick and easy installations.



STRAIGHT COUPLER

Item code	Size (mm)	Standard packs	Bulk packs
DSC 1	50 x 50 (Moulded)	2	-
DSC 2	75 x 50 (Moulded)	2	-
DSC 3	75 x 75 (Moulded)	2	-
DSC 4/A	100 x 40 (Moulded)	2	-
DSC 4	100 x 50 (Moulded)	2	-



INTERNAL COUPLER

Item code	Size (mm)	Standard packs	Bulk packs
DIC 1	50 x 50 (Fabricated)	10	-
DIC 2	75 x 50 (Fabricated)	10	-
DIC 3	75 x 75 (Fabricated)	10	-
DIC 4/A	100 x 40 (Fabricated)	10	-
DIC 4	100 x 50 (Fabricated)	10	-
DIC 5	100 x 100 (Fabricated)	10	-
DIC 6	150 x 100 (Fabricated)	10	-



END CAP

Item code	Size (mm)	Standard packs	Bulk packs
DMXEC 1	50 x 50 (Moulded)	10	-
DMXEC 2	75 x 50 (Moulded)	10	-
DMXEC 3	75 x 75 (Moulded)	10	-
DMXEC 4/A	100 x 40 (Moulded)	10	-
DMXEC 4	100 x 50 (Moulded)	10	-
DMXEC 5	100 x 100 (Moulded)	10	-
DMXEC 6	150 x 100 (Moulded)	10	-



INSIDE ANGLE

Item code	Size (mm)	Standard packs	Bulk packs
DAI 1	50 x 50 (Moulded)	2	-
DAI 2	75 x 50 (Moulded)	2	-
DAI 3	75 x 75 (Moulded)	2	-
DAI 4/A	100 x 40 (Moulded)	2	-
DAI 4	100 x 50 (Moulded)	2	-
DAI 5	100 x 100 (Fabricated)	2	-
DAI 6	150 x 100 (Fabricated)	2	-



FLAT ANGLE

Item code	Size (mm)	Standard packs	Bulk packs
DAF 1	50 x 50 (Moulded)	2	-
DAF 2	75 x 50 (Moulded)	2	-
DAF 3	75 x 75 (Moulded)	2	-
DAF 4/A	100 x 40 (Moulded)	2	-
DAF 4	100 x 50 (Moulded)	2	-
DAF 5	100 x 100 (Fabricated)	2	-
DAF 6	150 x 100 (Fabricated)	2	-

Options : White. Other colours are available upon request

Maxi Trunking Fittings



OUTSIDE ANGLE

Item code	Size (mm)	Standard packs	Bulk packs
DAO 1	50 x 50 (Moulded)	2	-
DAO 2	75 x 50 (Moulded)	2	-
DAO 3	75 x 75 (Moulded)	2	-
DAO 4/A	100 x 40 (Moulded)	2	-
DAO 4	100 x 50 (Moulded)	2	-
DAO 5	100 x 100 (Fabricated)	2	-
DAO 6	150 x 100 (Fabricated)	2	-



FLAT TEE

Item code	Size (mm)	Standard packs	Bulk packs
DTF 1	50 x 50 (Moulded)	2	-
DTF 2	75 x 50 (Moulded)	2	-
DTF 3	75 x 75 (Moulded)	2	-
DTF 4/A	100 x 40 (Moulded)	2	-
DTF 4	100 x 50 (Moulded)	2	-
DTF 5	100 x 100 (Fabricated)	2	-
DTF 6	150 x 100 (Fabricated)	2	-



EDGE TEE

Item code	Size (mm)	Standard packs	Bulk packs
DTE 1	50 x 50 (Fabricated)	2	-
DTE 2	75 x 50 (Fabricated)	2	-
DTE 3	75 x 75 (Fabricated)	2	-
DTE 4/A	100 x 40 (Fabricated)	2	-
DTE 4	100 x 50 (Fabricated)	2	-
DTE 5	100 x 100 (Fabricated)	2	-
DTE 6	150 x 100 (Fabricated)	2	-



FLAT CROSSOVER UNIT

Item code	Size (mm)	Standard packs	Bulk packs
DCF 1	50 x 50 (Fabricated)	2	-
DCF 2	75 x 50 (Fabricated)	2	-
DCF 3	75 x 75 (Fabricated)	2	-
DCF 4/A	100 x 40 (Fabricated)	2	-
DCF 4	100 x 50 (Fabricated)	2	-
DCF 5	100 x 100 (Fabricated)	2	-
DCF 6	150 x 100 (Fabricated)	2	-

Options : White. Other colours are available upon request

TECHNICAL SPECIFICATIONS



Mini Trunking System

No more than 45% of the inside space of mini trunking should be occupied by cables. The table below gives the cross-sectional areas of various cables and the maximum number of cables that can be laid in each size of Decoduct mini trunking. If cables of different sizes are to be used, the sum of their nominal cross-sectional areas must be calculated, and then a trunking size with equal or higher filling factor must be selected without exceeding the stipulated space factor of 45%.

Cable Size (mm ²)	Normal Overall Cross Sectional Area(mm ²)	Decoduct Mini Trunking Size References					
		DMT 0	DMT 1	DMT 2	DMT 3	DMT 4	DMT 5
		45% Filling Factor(mm ²)					
		19	68	119	199	336	496
Single core cables		Maximum number of cables					
1.0	6.6		10	18	30	50	
1.5	7.6		8	15	26	44	
2.5	9.6		7	12	20	35	
4.0	14.5		4	8	13	23	
6.0	18.8		3	6	10	17	
10	29.3		2	4	6	11	
16	40.2		1	2	4	8	
25	63.8		1	1	3	5	
35.0	83.5		-	1	1	4	
50.0	113.0		-	-	1	2	
95.0	204.0		-	-	-	1	
Flat twin & earth cables							
1.0	30.3		2	3	6	11	
1.5	38.3		1	3	5	8	
2.5	54.0		1	2	3	6	
4.0	66.4		1	1	2	5	
6.0	87.9		-	1	2	3	



Mini Trunking System

Safety

To ensure safety in use, the installation should be undertaken by competent personnel and in accordance with relevant codes of practice and statutory requirements. Information on proper installation can be found in:

- Regulations, British Standards specifications and codes of practice
- Regulations for Electrical equipment of buildings (IEE publication)

Description

Decoduct mini trunking consists of a body, and a clip-on lid which is fitted to the body by pressing it along its front face. The lid can be easily removed by lifting it from the body at one end and then peeling it away. The lid has an easy closing mechanism which is designed to give a securely closed installation, yet is easily accessible for maintenance or modifications.

Fixing

Holes should be drilled on the base of the body to mechanically fix to the desired surface using flat head screws. Fixing centres should not be more than 40cm apart, or more than 15cm away from the end of a straight run. On appropriate surfaces, the trunking can also be fixed by using a suitable contact adhesive. Alternatively DECODUCT trunking can be installed on clean dry surfaces.

Jointing

A fine toothed tenon saw and mitre block should be used to cut the trunking, to provide a neat installation. In all straight joints, it is important to stagger the joints of the trunking body and lid to give better protection and reduce joint visibility. On long straight runs, allowance for expansion must be made. For corners, the trunking must be mitred and for T-joints it must be slotted for cable entry.

Self-adhesive fixing

Decoduct self-fix mini trunking is offered with self-adhesive tape for easier fixing on suitable surfaces. The surface should be flat, clean, dry and free from dust or flaky paint. The backing should be peeled-off not more than 12 cm at a time, to expose the adhesive tape. Ensure the trunking is correctly positioned before pressing on surface as the self adhesive tape is designed to give immediate fixing. For permanence, screws can also be used.

Maxi Trunking System

Single-core P.V.C. insulated cables in trunking

For each cable it is intended to use, obtain the appropriate factor from Table 1A.

Add all the cable factors so obtained and compare with the factors for trunking given in Table 1B.

The size of trunking which will satisfactorily accommodate the cables is that size having a factor equal to or exceeding the sum of the cable factors.

TABLE 1A
Cable Factors for trunking

Type of Conductor	Conductor Cross-sectional area mm ²	Factor
Solid	1.0	7.1
	2.5	10.2
Stranded	1.5	8.1
	2.5	11.4
	4.0	15.2
	4.0	15.2
	6.0	22.9
	10.0	36.3

TABLE 1B
Factors for trunking

Dimensions of Trunking mm x mm		Factor
DXT 1	50 x 50	1037
DXT 2	75 x 50	1555
DXT 3	75 x 75	2371
DXT 4A	100 x 40	2200
DXT 4	100 x 50	2091
DXT 5	100 x 100	4252
DXT 6	1 00 x 150	4650

For other sizes and types of cable or trunking

For sizes and types of cable and sizes of trunking other than those given in Tables 1A and 1B above, the number of cables installed should be such that the resulting space factor does not exceed 45%.

The table below gives the 45% filling factors for Decoduct Maxi-Trunking, based on which the right size of trunking can be selected.

Item Code	Size(mm)	45% Filling Factor(mm2)
DXT 1	50 X 50	940
DXT 2	75 X 50	1700
DXT 3	75 X 75	2450
DXT 4A	100 X 40	2350
DXT 4	100 X 50	2250
DXT 5	100 X 100	4350
DXT 6	100 X 150	4500



Maxi Trunking System

Safety

To realize the full advantages of the Decoduct system, as well as to ensure safety, its installation, commissioning and maintenance should be undertaken by competent personnel and in accordance with relevant codes of practice and statutory requirements. Information on the installation of Decoduct products to ensure that so far as it is reasonably practicable they are safe and without risk to health when properly used, can be found in:

- Regulations, British Standards specifications and codes of practice
- Regulations for Electrical equipment of buildings (IEE publication)

Description

Seven sizes of Decoduct maxi trunking are available, each consisting of a U-channel body, and a specially designed clip-on lid for secure closing. The lid is closed by aligning it with the body, clipping it on one end of the body, and pressing into place along the length of the trunking, applying equal pressure on both sides. Lid removal is simply done by starting at one end and peeling of the lid along the length of the trunking.

Fixing

Two widely spaced holes should be drilled on the base of the trunking body at every fixing point. Fixing can be done using screws and fixing points should not be spaced more than one metre apart. The drilled holes should be oversized to allow for expansion, and washers should be used under the heads of screws. Care should be taken not to overtighten the screws.

Jointing

A fine toothed tenon saw and mitre block should be used to cut trunking, for accurate clean cuts leading to a neat installation. In all straight joints, it is important to stagger the joints of the trunking body and lid, to give better cable protection and reduce joint visibility. For corners and T-joints, a comprehensive range of Decoduct maxi-trunking fittings is provided, complete with extended lids on all branches, to provide an overlap. The fittings are fitted by removing the lids, drilling holes and using washers and screws, as in the case of trunking. After the cables are laid, the lids of the fittings should be fitted first, before finally fitting the lids on the trunking body.