



Essential cable management  
affordably priced





Bendex is a British brand, manufactured by cable management market leader, Marshall-Tufflex. The range includes PVC-U trunking, conduit, cable protection guard, channelling, surface boxes and IP rated sockets.

With a reputation for offering cable management trunking and accessories at competitive prices, the Bendex range is available from a nationwide wholesaler network.

We continually seek to improve efficiency and provide our customers with excellent customer service.

Our dedicated sales team can also offer support across the country for wholesaler promotions, orders, and product advice.

“ We pride ourselves on delivering competitive cable management systems to meet our customers’ needs. We are consistently building relationships with electrical distributors to bring essential cable management to electricians across the UK. ”

**Jon Chamberlain**  
Sales Director

### Quality Assurance

At Bendex our commitment to continuous improvement has in turn ensured our commitment to quality. This coupled with our advances in technology constantly ensure that our products and services are maintained to the highest standards.

### Low Voltage Directive

Bendex products that come within the scope of the Low Voltage Directive (LVD) will be CE marked.

### Unexposed Parts

Unexposed parts may not always be supplied in the colours depicted in this catalogue. This will not detract in any way from the finished look of the product.

### Terms and Conditions Of Sale

All products are sold subject to Marshall-Tufflex Conditions of Sale (as amended from time to time). Visit [www.bendex.co.uk](http://www.bendex.co.uk) to download a copy. In pursuance of our policy of continued product improvement, Bendex reserves the right to change the design or specification of its products without notification.

### Colour Of Products

Please note that due to different processes and materials utilised it may not always be possible to obtain an exact colour match between the extruded and moulded product.



## SAME DAY ORDER & COLLECTIONS

### page

04	Challenger Three Compartment Trunking System
08	Mini Trunking & Accessories
12	Maxi Trunking & Accessories
16	Conduit & Accessories
20	Channelling & Cable Protection Guard
21	Loblite IP Rated Sockets
22	Marshall-Tufflex Product Range

Our collection service allows electrical distributors to collect orders between 7am and 5:30pm Monday to Friday from our depots in Watford and Manchester and between 8am and 5.30pm in Hastings.

#### Manchester

Europa Trading Estate,  
Stoneclough Road, Radcliffe,  
Manchester  
M26 1GG

#### Watford

Unit 4 Trade City  
Thomas Sawyer Way  
Watford  
WD18 0EZ

Orders can be collected two hours after order placement from Manchester and Watford. Orders received by 5pm will be ready for collection from 7am the following day.

#### Hastings

55-65 Castleham Road,  
St Leonards-On-Sea  
TN38 9NU

Orders placed by 12:30pm can be collected next day from Hastings.

Customers can also order Marshall-Tufflex products, renowned for manufacturing innovative top quality and eco-friendly PVC-U cable management solutions. See page 22 for further details.

To see the full range, go to [www.marshall-tufflex.com](http://www.marshall-tufflex.com)

#### Standards


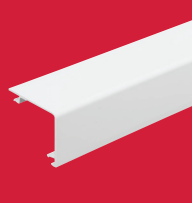
Marshall-Tufflex is committed to excellence and is recognised by the BSI as a firm of Assessed Capability.



# Challenger Trunking System

Challenger is a three compartment data compliant trunking system compliant up to CAT 7A, suitable for office school or college environments.

This easy to install 167 x 50mm system can be installed at dado or skirting level dependent on the requirement and includes a full range of accessories. The system also features a pre-drilled base.

System	Complete Unit	Trunking Base	Centre Lid	Chamfered Lid Top/Bottom	Square Lid Bottom
					
<b>System 1</b> Pack Quantity 	XT1CWH 1 x 3m	XT1BWH 4 x 3m	XT1CLWH 8 x 3m	*XT1TBWH 8 x 3m	-
<b>System 2</b> Pack Quantity 	XT2CWH 1 x 3m	XT1BWH 4 x 3m	XT1CLWH 8 x 3m	XT1TBWH 8 x 3m	XT2TBWH 8 x 3m

\* Two chamfered lids are required for System 1.

## Accessory Boxes



Code	Description	Pack
XTBB1WH	1 Gang Outlet Box	20




Depth of box is 30mm



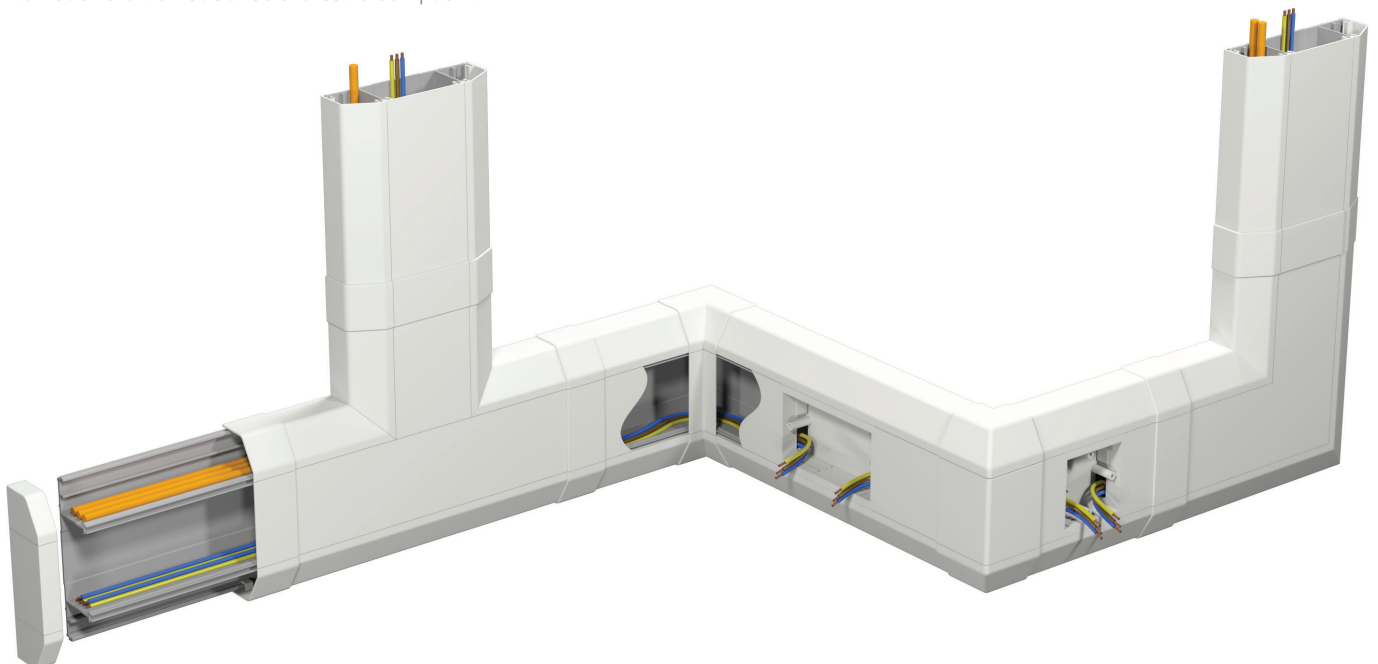
Code	Description	Pack
XTBB2WH	2 Gang Outlet Box	10

Depth of box is 30mm



Coupler	End Cap	Internal Bend	External Bend	Flat Angle	Flat Tee
					
XT1COWH	XT1ECWH	XT1IBWH	XT1EBWH	XT1FAWH	XT1FTWH
2	2	2	2	1	1
XT2COWH	XT2ECLWH (left) XT2ECRWH (right)	XT2IBWH	XT2EBWH	XT2FAUWH (up) XT2FADWH (down)	XT2FTUWH (up) XT2FTDWH (down)
2	2	2	2	1	1

Internal and external bends are Cat 6 compliant.



# Challenger Trunking Technical

## Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

## Installation

### Positioning

When used as a skirting system a clearance of 10mm is recommended above floor covering to maintain IP4X rating.

## Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended. Fittings have a 10mm overlap on each side to allow for thermal movement of the covers.

## Fitting

- Internal couplers on base units are not required. To fasten base, use No 8 round head screws and washers.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.

## Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the cover.

## Joints & bends

- Base joints should have a 3mm gap to allow for expansion.
- Internal and external bends are Cat 6 compliant. The base must be mitred 45° to ensure total enclosure of trunking, including any internal fitted segregator.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.

## Covers

Covers are designed to limit unauthorised removal and to remain in position during normal conditions irrespective of impact and minor undulations of the mounting surface.

## Covers - fitting

Covers are clipped into place from front. If accessory boxes are installed, the XT1CLWH cover is butt-joined to the edge of the box. Cut edges of the cover are subsequently concealed by the accessory. For fittings, a gap of 25mm is left between the two cover ends to permit the fitting to clip to base.

## Covers – removal

To remove a cover, first detach a coupler, internal or external bend component to gain access. The main cover can then be gently eased off the base. To remove the outer cover, firstly ease from the base by inserting the blade of a terminal screwdriver between the captive legs of the cover and the base and then ease away from the base.

## Cable capacity chart

All calculations allow for a 45% space factor. As there can be differences between cable sizes, Bendex recommend that cable dimensions are confirmed with the manufacturing company.

		Stranded PVC BS 7211 1.5mm <sup>2</sup> Power cable (singles)					
		Compartment 1		Compartment 2		Compartment 3	
		No box	With box	No box	With box	No box	With box
Challenger System 1		66	-	201	72	66	-
Challenger System 2		66	-	201	72	80	-
		Stranded PVC BS 7211 2.5mm <sup>2</sup> Power cable (singles)					
		Compartment 1		Compartment 2		Compartment 3	
		No box	With box	No box	With box	No box	With box
Challenger System 1		45	-	137	49	45	-
Challenger System 2		45	-	137	49	55	-
		Stranded PVC BS 7211 4.0mm <sup>2</sup> Power cable (singles)					
		Compartment 1		Compartment 2		Compartment 3	
		No box	With box	No box	With box	No box	With box
Challenger System 1		34	-	104	37	34	-
Challenger System 2		34	-	104	37	41	-
		Data Cable Ø5.5mm					
		Compartment 1		Compartment 2		Compartment 3	
		No box	With box	No box	With box	No box	With box
Challenger System 1		23	-	73	26	23	-
Challenger System 2		23	-	73	26	29	-
		Data Cable Ø6.0mm					
		Compartment 1		Compartment 2		Compartment 3	
		No box	With box	No box	With box	No box	With box
Challenger System 1		20	-	61	21	20	-
Challenger System 2		20	-	61	21	24	-
		Data Cable Ø6.5mm					
		Compartment 1		Compartment 2		Compartment 3	
		No box	With box	No box	With box	No box	With box
Challenger System 1		17	-	52	18	17	-
Challenger System 2		17	-	52	18	20	-
		Data Cable Ø7.0mm					
		Compartment 1		Compartment 2		Compartment 3	
		No box	With box	No box	With box	No box	With box
Challenger System 1		14	-	45	16	14	-
Challenger System 2		14	-	45	16	18	-
		Data Cable Ø8.4mm					
		Compartment 1		Compartment 2		Compartment 3	
		No box	With box	No box	With box	No box	With box
Challenger System 1		10	-	31	11	10	-
Challenger System 2		10	-	31	11	12	-

# Mini Trunking & Accessories

Mini trunking is manufactured from white PVC-U to withstand the most rigorous demands of domestic and commercial use. Available with accessories and with self adhesive backing.

This quick fit mini trunking system has been designed with speed of installation in mind.

Produced and stocked in White.

Trunking size	Mini Trunking	Self-Fixing Mini Trunking	External Coupler
			
<b>18mm x 9mm*</b> Pack Quantity	AT18WH* 20 x 3m	SFAT18WH* 20 x 3m	-
<b>25mm x 13mm*</b> Pack Quantity	-	SFMT13WH* 20 x 3m	-
<b>16mm x 16mm</b> Pack Quantity	MT16WH 20 x 3m	SFMT16WH 20 x 3m	MT16CWH 10
<b>25mm x 16mm</b> Pack Quantity	MT25WH 20 x 3m	SFMT25WH 20 x 3m	MT25CWH 10
<b>38mm x 16mm</b> Pack Quantity	MT38WH 20 x 3m	SFMT38WH 20 x 3m	MT38CWH 10
<b>38mm x 25mm</b> Pack Quantity	MT40WH 10 x 3m	SFMT40WH 10 x 3m	MT40CWH 10
<b>38mm x 38mm*</b> Pack Quantity	MT40SWH* 10 x 3m	SFMT40SWH* 10 x 3m	-

\*No accessories available.

## Surface Boxes

Manufactured in white PVC-U and available with both round and square corners. Bendex universal boxes incorporate both conduit and mini trunking knockouts.

### 1 Gang Universal Box



Code	Description	Pack
SB1RCWH	Round corners 32mm deep	20
SB1SCWH	Square corners 32mm deep	20


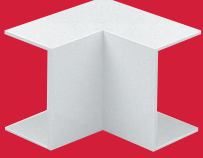
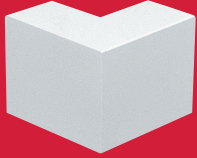


### 2 Gang Universal Box



Code	Description	Pack
SB2RCWH	Round corners 32mm deep	10
SB2SCWH	Square corners 32mm deep	10





End Cap	Internal Angle	External Angle	Flat Angle	Flat Tee
				
-	-	-	-	-
-	-	-	-	-
MT16ECWH 10	MT16IAWH 10	MT16EAWH 10	MT16FAWH 10	MT16TWH 10
MT25ECWH 10	MT25IAWH 10	MT25EAWH 10	MT25FAWH 10	MT25TWH 10
MT38ECWH 10	MT38IAWH 10	MT38EAWH 10	MT38FAWH 10	MT38TWH 10
MT40ECWH 10	MT40IAWH 10	MT40EAWH 10	MT40FAWH 10	MT40TWH 10
-	-	-	-	-



Code	Description	Pack
MTA25WH	25mm Adaptor	10



Code	Description	Pack
MTCRBWH	2 K.O. for MT16/MT25	10

Will accept all popular brands of ceiling rose.  
 Supplied with fixing screws.  
 Fixing centres 50.8mm. Internal depth 12mm  
 External diameter 81mm

# Mini Trunking Technical

## Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

## Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended. Fittings allow for thermal expansion of the covers.

## Fitting

### Mini trunking

Secure trunking base at least every 375mm by drilling 6mm holes. Fasten using roundhead screws.

### Self-fixing mini trunking

Remove protective film exposing 100-150mm of adhesive foam. Line up accurately and press firmly into position. Repeat until base is installed. For long term performance we recommend additional securing with screws and washers.

**Note:** the bond created by the tape can be very strong. Maximum adhesion occurs after 24 hours. Ensure surface is dust-free, dry, clean and flat. Uneven surface contact will reduce bonding performance. Installation in cold conditions below +5°C may affect adhesion.

### Mini and self fixing mini trunking

- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External profile fittings overlap joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.
- End caps are secured using adhesive solvent BXSC.

## Joints and bends

- All fittings incorporate clip-on design.
- 3mm gap between trunking base and bend or flat angle is recommended.
- For internal bends and flat angles, bases should be mitred 45°.
- For external bends, bases should be cut square to the corner.
- For tees, bases should be cut square and butt up to each other.
- External clip on fittings overlap trunking base by up to 10mm to cover cutting inaccuracies.
- Secure end caps using solvent adhesive BXSC.

## Covers

Covers are designed to limit unauthorised removal and to remain in position during normal conditions irrespective of impact and minor undulations of the mounting surface.

## Covers – fitting

Covers are clipped into place from front.

## Covers – removal

To remove a cover, first detach a coupler or internal/external bend to gain access. The cover can then be gently eased off the base.

## Cable capacity chart

All calculations allow for a 45% space factor. As there can be differences between data cable sizes, Bendex recommend that cable dimensions are confirmed with the manufacturing company.

Stranded PVC Power Cables - BS 6004				
Diameter	MT16	MT25	MT38	MT40
1.5mm	8	15	24	39
2.5mm	5	10	16	27
4.0mm	4	8	12	20
6.0mm	3	6	9	16

Stranded PVC Power Cables - BS 7211				
Diameter	MT16	MT25	MT38	MT40
1.5mm	7	13	21	35
2.5mm	5	9	14	24
4.0mm	3	7	11	18
6.0mm	3	5	9	14

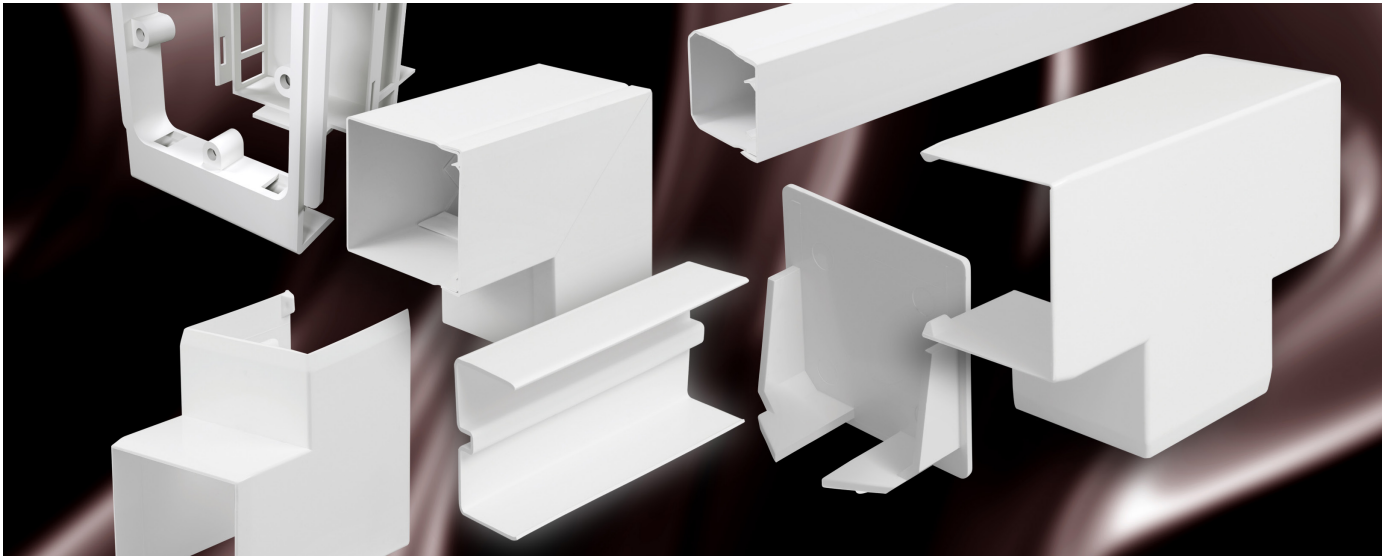
Data Cables - BS 6004				
Diameter	MT16	MT25	MT38	MT40
5.5mm	2	5	8	14
6.0mm	2	4	7	12
6.5mm	2	4	6	10
7.0mm	1	3	5	8
8.4mm	1	2	3	6






# Maxi Trunking & Accessories

Produced and stocked in white.

The Bendex range of Maxi trunking and accessories are manufactured from white PVC-U.

Trunking size	Maxi Trunking	Coupler	Joint Cover	End Cap
				
<b>28 x 28mm</b>	CT10WH	CT10CWH external	-	CT10ECWH
Pack Quantity	10 x 3m	10		10
<b>54 x 28mm</b>	CT20WH	CT20CWH external	-	CT20ECWH
Pack Quantity	10 x 3m	10		10
<b>50 x 50mm</b>	CT30WH	CT30CWH internal	CT30JCWH	CT30ECWH
Pack Quantity	6 x 3m	10	1	10
<b>75 x 50mm</b>	CT40WH	CT40CWH internal	-	CT40ECWH
Pack Quantity	6 x 3m	10		10
<b>75 x 75mm</b>	CT50WH	CT50CWH internal	-	CT50ECWH
Pack Quantity	6 x 3m	5		10
<b>100 x 100mm</b>	CT60WH	CT60CWH internal	-	CT60ECWH
Pack Quantity	2 x 3m	5		1
<b>100 x 50mm</b>	CT70WH	CT70CWH internal	CT70JCWH	CT70ECWH
Pack Quantity	4 x 3m	10	1	1
<b>150 x 150mm</b>	CT80WH	CT80CWH internal	-	CT80ECWH
Pack Quantity	2 x 3m	5		1



Internal Angle	External Angle	Flat Angle	Flat Tee	Self Fix Dividing Fillet
				
CT10IAWH moulded 10	CT10EAWH moulded 10	CT10FAWH moulded 10	CT10TWH moulded 10	-
CT20IAWH moulded 10	CT20EAWH moulded 10	CT20FAWH moulded 10	CT20TWH moulded 10	-
CT30IAWH moulded 1	CT30EAWH moulded 1	CT30FAWH moulded 1	CT30TWH moulded 1	SFDF50WH 50mm 10 x 3m
CT40IAWH fabricated 1	CT40EAWH fabricated 1	CT40FAWH fabricated 1	CT40TWH fabricated 1	SFDF50WH 50mm 10 x 3m
CT50IAWH fabricated 1	CT50EAWH fabricated 1	CT50FAWH fabricated 1	CT50TWH fabricated 1	-
CT60IAWH fabricated 1	CT60EAWH fabricated 1	CT60FAWH fabricated 1	CT60TWH fabricated 1	-
CT70IAWH moulded 1	CT70EAWH moulded 1	CT70FAWH moulded 1	CT70TWH moulded 1	SFDF50WH 50mm 10 x 3m
CT80IAWH fabricated 1	CT80EAWH fabricated 1	CT80FAWH fabricated 1	CT80TWH fabricated 1	-

# Maxi Trunking & Accessories

## Accessory Boxes



Code	Description	Pack
CT70BB1WH	1 Gang Back Box Assembly	20
CT70BB2WH	2 Gang Back Box Assembly	10



Code	Description	Pack
SP1WH	1 Gang Socket Plate	20
SP2WH	2 Gang Socket Plate	10

# Maxi Trunking Technical

## Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

## Expansion/contraction

PVC-U expands and contracts at a uniform rate of approx 5.25mm in a 3 metre length for a temperature change of 25°C. Therefore, a 3mm gap between each length of trunking base is recommended. Fittings allow for thermal expansion of the covers.

## Fitting

- Secure trunking base in one plane only every 500mm by drilling alternate 6mm holes. Use roundhead screws.
- Avoid over-tightening to permit thermal movement.
- The use of plastic caps over screw heads is recommended to protect installed cables.
- To provide cable segregation, dividing fillets are fixed by adhesive tape to trunking base.

- To cut the trunking, use a fine-toothed panel or power jig-saw.
- External profile fittings overlap joints by up to 10mm to cover cutting inaccuracies.
- A variable angle jig-saw or chop saw is recommended for cutting 45° mitres.

Trunking lengths are connected using internal couplers as follows:

Cement one end of the internal coupler to one base using adhesive solvent BXSC. Leave other end of coupler free in adjoining base to facilitate thermal movement.

## Single lengths

Where it is required to fit a single length of trunking (under 3 metres) between two inside walls and no accessory box is fitted, it is advisable to install a coupler in the centre of the run to facilitate the removal of the cover.

## Joints and bends

- Clip-on fittings and 2-part moulded flat angle: base must be mitred at 45° to ensure total enclosure of trunking, including any internal fitted segregator.
- Fabricated fittings: a 3mm gap between trunking base and bend or flat angle is recommended.
- External moulded fittings overlap the joints by up to 10mm to cover cutting inaccuracies.
- Maxi fabricated fittings are supplied with internal couplers (see Fitting).
- Secure end caps using solvent adhesive BXSC.

## Covers

Covers are designed to limit unauthorised removal and to remain in position during normal conditions irrespective of impact and minor undulations of the mounting surface.

## Covers – fitting

Covers are clipped into place from front. If accessory boxes are installed, the cover is butt-joined to the edge of the box. Cut edges of the cover are concealed by the accessory. For external fitting couplers, a 20mm gap should be left between the two cover ends to permit the fitting to clip to base.

## Covers removal

To remove a cover, first detach a coupler or internal/external bend to gain access. The main cover can then be gently eased off the base.

## Cable capacity chart

All calculations allow for a 45% space factor. As there can be differences between data cable sizes, Bendex recommend that cable dimensions are confirmed with the manufacturing company.

Stranded PVC Power Cables - BS 6004									
Diameter	CT10	CT20	CT30	CT40	CT50	CT60	CT70	CT80	CT90
1.5mm	32	67	111	174	269	486	230	1089	95
2.5mm	22	46	76	119	183	332	157	743	65
4.0mm	16	34	57	90	139	252	119	564	49
6.0mm	13	27	45	70	109	197	93	442	38

Stranded PVC Power Cables - BS 7211									
Diameter	CT10	CT20	CT30	CT40	CT50	CT60	CT70	CT80	CT90
1.5mm	29	60	100	156	241	435	206	976	85
2.5mm	20	41	69	108	166	301	142	674	59
4.0mm	15	32	53	83	127	231	109	517	45
6.0mm	12	25	42	65	101	182	86	409	35

Data Cables - BS 6004									
Diameter	CT10	CT20	CT30	CT40	CT50	CT60	CT70	CT80	CT90
5.5mm	11	24	40	63	97	176	83	394	34
6.0mm	9	20	34	53	81	148	70	331	29
6.5mm	8	17	28	45	69	126	59	282	24
7.0mm	7	15	24	39	60	108	51	243	21
8.4mm	5	10	17	27	41	75	35	169	14

# Conduit & Accessories

Manufactured in black and white PVC-U

**Please note:** when ordering please indicate product colour required by using the following code suffixes:  
BK (Black) WH (White).








**For example:**  
LG20**WH** - **white**  
LG20**BK** - **black**

## Round Conduit and Boxes

Conduit Size	Light Gauge	Heavy Gauge	1 Way Terminal Box	2 Way Through Box
				
20mm o/d Pack Quantity	LG20 30 x 3m	HG20 30 x 3m	CJB201WT 20	CJB202WT 20
25mm o/d Pack Quantity	LG25 30 x 3m	HG25 30 x 3m	CJB251WT 20	CJB252WT 20
32mm o/d* Pack Quantity	-	HG32* 10 x 3m	-	-

\*32mm conduit is available in white only.

## Conduit Fittings





Conduit Size	Inspection Bend	Elbow Bend	Inspection Tee	Straight Coupler	Expansion Coupler	Female Adaptor	Male Adaptor
							
20mm o/d Pack Quantity	IB20 20	IE20 20	IT20 20	SC20 100	EX20 20	A20MB 100	A20LR 100
25mm o/d Pack Quantity	IB25 20	-	IT25 20	SC25 50	EX25 20	A25MB 50	A25LR 50
32mm o/d* Pack Quantity	-	-	-	SC32* 25	-	A32MB* 25	-







\*32mm conduit is available in white only.





Wall thickness		
Round Conduit	Light Gauge	Heavy Gauge
20mm o/d	1.1mm Wall	1.7mm Wall
25mm o/d	1.5mm Wall	1.9mm Wall
32mm o/d	-	2.5mm Wall


2 Way Angle Box	3 Way Tee Box	4 Way Intersection box	Loop-In-Box (4 Knockout)
			
CJB202WA 20	CJB203WT 20	CJB204WT 20	LIB20KO 20
CJB252WA 20	CJB253WT 20	CJB254WT 20	LIB25KO 20
-	-	-	-

Spacer Bar Saddle	Spring Clip Saddle	Normal Bend	Lock Ring	Male Bush Threaded	Bending Spring
					
SBS20 100	SCS20 100	NB20 25	LR20 (20mm) 100	MB20 100	BS20L (light) BS20H (heavy) 1
SBS25 50	SCS25 50	NB25 10	LR25 (25mm) 100	MB25 100	BS25L (light) BS25H (heavy) 1
SBS32* 50	-	-	-	-	-

# Conduit & Accessories

## Oval Conduit & Fittings

Oval conduit is available in white only

Conduit Size	Oval Conduit	Oval to Round 20mmØ Adaptor	Oval Spring Clip
			
13mm x 8.6mm Pack Quantity	OC13WH 50 x 3m	-	-
16mm x 10mm Pack Quantity	OC16WH 50 x 3m	-	-
20mm x 11mm Pack Quantity	OC20WH 50 x 3m	OTRA2020WH 50	OSC20WH 100
25mm x 11mm Pack Quantity	OC25WH 50 x 3m	-	OSC25WH 100
32mm x 12mm Pack Quantity	OC32WH 25 x 3m	-	-

## Circular Box Accessories



Code	Description	Pack
ER20	Extension Rings 20mm	20
ER25	Extension Rings 25mm	20
ER38	Extension Rings 38mm	10

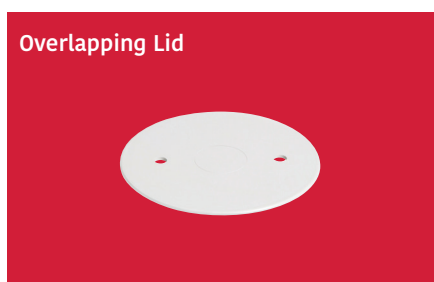


Code	Description	Pack
LID1	Circular Lid 65mm	100



Code	Description	Pack
BXSC	Adhesive 250ml	1

Safety datasheet regarding BXSC is available on [www.bendex-plastics.co.uk](http://www.bendex-plastics.co.uk)



Code	Description	Pack
LID2	Overlapping Lid 85mm	50

## Dry Lining Boxes



Code	Description	Pack
BDL1WH	1 Gang Box	20
BDL2WH	2 Gang Box	10

34mm depth  
6-14mm adjustment

# Channelling

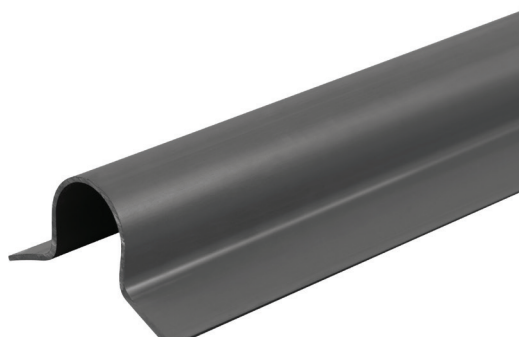
Robust PVC-U channel is the tidy and safe way to protect channelled electrical wiring routes and complete electrical wiring installations.



Description	Product Code	Pack Quantity
13mm x 8mm	CH13WH	50 x 2m
25mm x 8mm	CH25WH	50 x 2m
38mm x 9mm	CH38WH	50 x 2m

# Cable Protection Guard

Bendex cable protection guard is the perfect solution to protect cables from impact and damage on telegraph poles and exposed brickwork. Highly shock-resistant but light in weight, it is easy to transport and install thanks to pre-drilled screw holes.



Bendex cable guard is BT specified. Manufactured in Black PVC-U.

Description	Product Code	Pack Quantity
19mm x 19mm	CG19BK	10 x 3m
25mm x 25mm	CG25BK	10 x 3m
40mm x 40mm	CG40BK	10 x 3m
55mm x 55mm	CG55BK	10 x 3m
80mm x 80mm	CG80BK	5 x 3m

# Conduit Technical

## Material

PVC-U is flame retardant and self-extinguishing. It provides a 100% recyclable material with good sustainability.

## Fitting

- Secure horizontal runs of conduit at a maximum distance of 0.9m.
- Secure vertical runs of conduit at a maximum of 1.2m.
- In areas of high ambient temperature or where rapid changes in temperature are likely, these distances should be reduced.
- Where there are fittings or directional changes, the conduit should be secured approximately 150mm either side to maintain support.
- Avoid over-tightening to permit thermal movement.

## Joints and bends

- To accommodate thermal movement on surface installations, it is recommended that expansion couplers be used at a maximum distance of 6m intervals.
- In areas of high ambient temperature or where rapid changes in temperature are likely, this distance should be reduced.
- To install an expansion coupler, coat the inside of the short side with solvent cement (BXSC) and push firmly over the conduit down to the stop point.
- Slide the next length of conduit into the long side of the coupler until mid-way to the stop point. **DO NOT GLUE INTO PLACE.** This will permit expansion or contraction of the conduit, providing it is free to move in the saddles.

## Bends

Care should be taken not to make too tight a bend and attention is drawn to BS 7671:2018 Section 522.8.3 of the Wiring Regulations. The radius of every bend in a wiring system shall be such that conductors and cables shall not suffer damage.

## Cold bending 20-25mm conduit

Cold bending may be carried out on all conduit sizes up to 25mm in diameter using the correct size and gauge of bending spring.

- Heavy gauge spring is colour-banded green at the tip.

- Light gauge spring is colour-banded white at the tip.
- Springs are not interchangeable.
- Make sure springs are not damaged in any way as this can fracture or kink the conduit making removal of the spring difficult.
- In cold weather, warm the conduit by rubbing with a rag before bending.

### To bend the conduit:

- Insert the spring to the desired position, grip the conduit on either side of bend and bring slowly together to form the bend.
- Cold bending of 20mm and 25mm conduit should be done with correct / undamaged spring inserted and bent over knee to initiate bend. Spring should remain inserted until the desired angle is achieved. (Under no circumstance should bends be increased or decreased without correct spring inserted).

Failure to follow above procedure could increase possibility of product failure.

- Make the bend more acute than necessary to allow for PVC-U to 'recover' after bending.
- To remove the spring, twist anticlockwise (to reduce its diameter) whilst turning the conduit clockwise and gently pulling the conduit and the spring apart.
- If spring fails to release, do not pull too hard or damage to the spring may occur.
- Repeat the removal procedure until they come apart. The conduit should then be fastened into position to prevent further 'recovery' of the bend.

## Earthing

The properties of PVC-U make it an all insulated system and the use of a separate earth cable is essential.

## Sealant

Solvent cement BXSC is a slow acting solvent cement especially formulated for watertight conduit fittings. In accordance with COSHH Regulations, details of our solvents are entered in The National Poison Centre computer records. Health & Safety data sheets are available from Bendex website: [www.bendex-plastics.co.uk](http://www.bendex-plastics.co.uk)

# Loblite

IP rated 13A-230V sockets that are weatherproof to IP66 when in use (fully closed). Engineered to perform in demanding environments, including industrial buildings, garages, farms, gardens, swimming pool areas, wherever exposure to dust or water may be encountered.



Code	Colour	Pack
LOBSGSKTWH	White	1
LOBSGSKTLG	Light Grey	1

## Loblite Technical

**IP Ratings Explained.** An IP (ingress protection) number is used to specify the environmental protection of enclosures around electrical equipment which is determined by specific tests. The IP number is composed of two numbers, the first referring to the protection against solid objects and the second against liquids.

First Digit	Solid Protection
0	No protection
1	Protected against solid objects up to 50mm e.g. accidental touch by hands
2	Protected against solid objects up to 12mm e.g. fingers
3	Protected against solid objects up to 2.5mm e.g. tools and wires
4	Protected against solid objects up to 1mm e.g. wires, nails etc
5	Protected against dust limited ingress, not harmful deposits
6	Totally protected against dust

IP66 range  
(height x width x depth)

1 gang 109 x 75 x 90mm

Second Digit	Liquid Protection
0	No protection
1	Protected against vertically falling drops of water e.g. condensation
2	Protected against direct sprays of water up to 15° from the vertical
3	Protected against direct sprays of water up to 60° from the vertical
4	Protected against water splashed from all directions, limited ingress permitted
5	Protected against low pressure jets of water from all directions, limited ingress permitted
6	Protection against strong jets of water e.g. on ship decks, limited ingress permitted
7	Protection against the effects of temporary immersion between 15cm and 1m. Duration of test 30 mins
8	Protection against long periods of immersion under pressure

# Additional product ranges



**Our customers can also order Marshall-Tufflex products, renowned for being innovative top quality and eco-friendly cable management solutions.**

Marshall-Tufflex is the UK market leader in the manufacture of cable management solutions offering well-designed, hard-wearing and installer-friendly solutions.

The popular Sterling and Odyssey ranges have been among the market's best-selling PVC-U trunking solutions in recent years thanks to versatility, range of fittings and ease of installation.

Trunking systems in steel, aluminium and GRP together are also available along with Powerpoles/Posts for island locations and a comprehensive range of underfloor to desk products developed for fast and adaptable installation.

Marshall-Tufflex is well known for innovative cable management solutions. Time-saving solutions such as quick-fit Wire Basket, MT Supertube and punched trunking and Firefly fire clips are especially popular.

## FIREFLY FIRE SAFETY CLIPS

Saving lives in the event of a fire



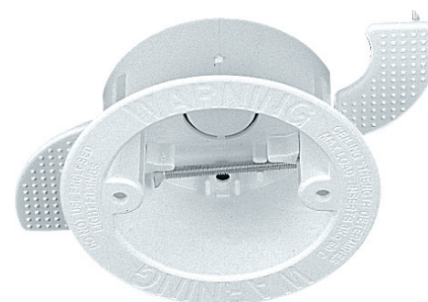
## PUNCHED MINI TRUNKING

**REASSURINGLY RECYCLED**

White mini trunking lengths are manufactured using over **95%** recycled material.



## CIRCULAR DRY LINING BOXES



## ODYSSEY



**REASSURINGLY RECYCLED**

Odyssey trunking built up profile is manufactured using 63% recycled material.

COMPLIANT UP TO  
**...CAT 7A...**

## DDA COMPLIANT BOXES FOR VISUAL IMPAIRMENT



## STERLING CURVE

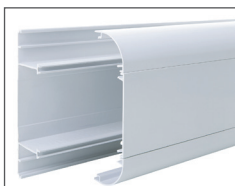


COMPLIANT UP TO  
**...CAT 7A...**

**REASSURINGLY RECYCLED**

White Sterling Curve built up profiles are manufactured using the following percentages of recycled material:

Profile 1 **66%** Profile 2 **60%**



Sterling Profile 1



Sterling Profile 2

## FAST COUPLING WIRE BASKET

**4**  
SECONDS



## FLOOR BOXES AND ACCESSORY PLATES





The Bendex range is manufactured by cable management market leader Marshall-Tufflex

Marshall-Tufflex Ltd  
55-65 Castleham Road  
St Leonards on Sea  
TN38 9NU

Phone: 01424 856600

Fax: 01424 856611

Email: [sales@bendex-plastics.co.uk](mailto:sales@bendex-plastics.co.uk)

[www.bendex-plastics.co.uk](http://www.bendex-plastics.co.uk)

 @BendexPlastics

 @Bendex