

PVC/LSF

Catalogue

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2023



What We Do

Dietzel Univolt manufacture an appropriate cable management solution for any kind of electrical installation, confident of our superior quality, our features characterise the extensive product choice of conduits, trunkings and accessories.

Our Approach

LSZHFR Ltd stocks and distributes direct from the Univolt Donguan factory a wide range of cable management products, with a range of over 10,000 items Univolt produce. These items can be found on major construction sites and important building projects worldwide. Our overall annual production comprises more than 120 million meters of conduits and 60 million fittings, manufactured to the highest international standards.

Our Team

We are an independent family enterprise with a strong international orientation, each of our sales orientated staff play an important role in customer retention and company growth, all our staff are dedicated to ensuring our customers are completely satisfied with our products and services.

Mission

Our philosophy is building reliable long-term partnerships with our customers and to maintain Univolt's brand name for innovative spirit and culture first class product quality and the very highest service levels.

Principles

To attain excellent standards and continue to be a benchmark within the cable management industry To create strong relationships with our customers and suppliers.

Maintain integrity, honesty and high ethical standards. Constantly invest in innovation and develop new products and processes.

Deliver quality product and services to our customers Strive to improve every aspect of our business.



A Brief Guide to Plastic Conduit and Fire Safety

Safety should be the main concern when approaching an electrical installation. Product specification - ensuring the correct solution is selected to suit the application at hand is a key element of this responsibility. This brief guide provides an overview of the product properties of different types of plastic conduit...

- PVC - Polyvinyl Chloride
- PVC LSF - Lower Smoke Fume
- LSF0H - Low Smoke Fume Zero Halogen

What is PVC?

Ideal for low risk buildings, correctly specified PVC products offer flexibility and cost advantages over LSFOH.

What is PVC/LSF?

An incremental improvement over standard PVC products, increased flame retardancy and reduced smoke output compared to standard PVC.

What is LSF0H?

Also known as LSZH, LSOH, LSFH, OHLS, ZHFR

Containing less than 0.5% halogens and minimal smoke generation, ideal for public buildings, airports, railways, commercial buildings data centres and all escape routes.

Benefits of PVC/LSF?

Lower Smoke Fume (PVC LSF) offers lower emissions than standard PVC hence PVC LSF lies somewhere between that of PVC and LSFOH.



Reduces smoke release by up to 65% in the first 4 minutes of a fire



Lower smoke - Increased flame retardancy

Benefits of LSF0H?

Low Smoke Fume Zero Halogen (LSFOH) conduits are not only characterised by the fire retardant performance but also by the halogen-free properties



Low smoke according to IEC 60134



Zero Halogen to IEC 60754-1 / 60754-2



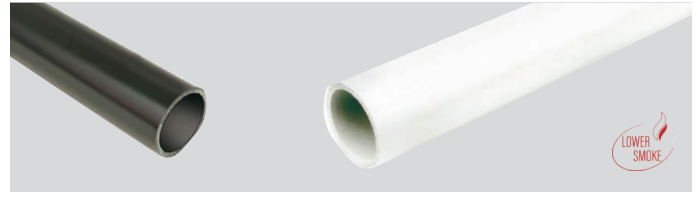
Flame retardant to IEC 61386

RIGID CONDUIT LIGHT



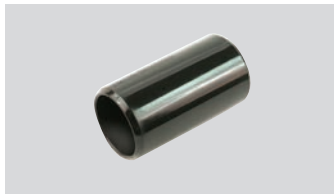
Part No.	A-Code	Description	Pk Qty
BSSL 20 WH	61882	20mm Conduit Light White (4m)	90m
BSSL 25 WH	61884	25mm Conduit Light White (4m)	90m
BSSL 20 BK	24912	20mm Conduit Light Black (4m)	90m
BSSL 25 BK	34997	25mm Conduit Light Black (4m)	90m

RIGID CONDUIT HEAVY LSF



Part No.	A-Code	Description	Pk Qty
BSSH 20 WH LSF	103718	20mm Conduit Heavy White LSF (4m)	90m
BSSH 25 WH LSF	103719	25mm Conduit Heavy White LSF (4m)	90m
BSSH 20 BK LSF	105790	20mm Conduit Heavy Black LSF (4m)	90m
BSSH 25 BK LSF	105791	25mm Conduit Heavy Black LSF (4m)	90m

COUPLERS BLACK

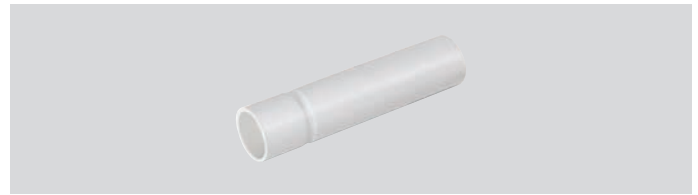


COUPLERS WHITE



Part No.	A-Code	Description	Pk Qty
SM 20 BK	20663	20mm Couplers Black	100pcs
SM 20 WH	20670	20mm Couplers White	100pcs
SM 25 BK	20664	25mm Couplers Black	50pcs
SM 25 WH	20671	25mm Couplers White	50pcs

EXPANSION COUPLER WHITE



Part No.	A-Code	Description	Pk Qty
EC 20 WH	9338	20mm Expansion Coupler White	50pcs
EC 25 WH	9339	25mm Expansion Coupler White	25pcs

SPACER BAR SADDLES BLACK

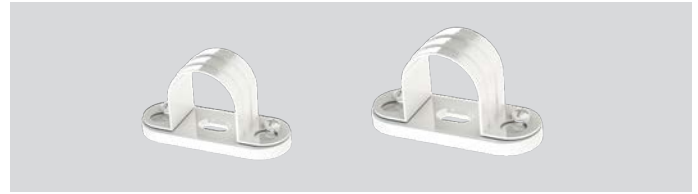


SPACER BAR SADDLES WHITE



Part No.	A-Code	Description	Pk Qty
SBS 20 BK	8900	20mm Spacer Bar Saddles Black	50pcs
SBS 20 WH	9248	20mm Spacer Bar Saddles White	50pcs
SBS 25 BK	8901	25mm Spacer Bar Saddles Black	50pcs
SBS 25 WH	9249	25mm Spacer Bar Saddles White	50pcs

METAL COATED WHITE SPACER BAR SADDLES



Part No.	A-Code	Description	Pk Qty
UNISB20SADDLE	103249	20mm Metal Coated White Spacer Bar Saddles	100pcs
UNISB25SADDLE	103250	25mm Metal Coated White Spacer Bar Saddles	100pcs

CLIPS BLACK



CLIPS WHITE

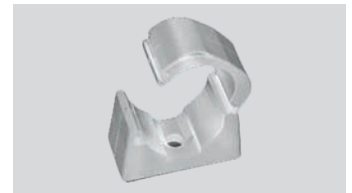


Part No.	A-Code	Description	Pk Qty
CL 20 BK	82179	20mm Clips Black	100pcs
CL 20 WH	82180	20mm Clips White	100pcs
CL 25 BK	82216	25mm Clips Black	100pcs
CL 25 WH	82217	25mm Clips White	100pcs

NYLON KWIK CLIP BLACK



NYLON KWIK CLIP WHITE



Part No.	A-Code	Description	Pk Qty
HKS 20 WH	57247	20mm Nylon Kwik Clip White	100pcs
HKS 20 BK	57245	20mm Nylon Kwik Clip Black	100pcs
HKS 25 WH	57250	25mm Nylon Kwik Clip White	100pcs
HKS 25 BK	57248	25mm Nylon Kwik Clip Black	100pcs

FEMALE ADAPTORS BLACK



FEMALE ADAPTORS WHITE



MALE ADAPTORS BLACK



MALE ADAPTORS WHITE



Part No.	A-Code	Description	Pk Qty
AFT/MBS 20 BK	9086	20mm Female Adaptors Black	100pcs
AFT/MBS 20 WH	10184	20mm Female Adaptors White	100pcs
AFT/MBS 25 BK	9087	25mm Female Adaptors Black	50pcs
AFT/MBS 25 WH	10185	25mm Female Adaptors White	50pcs

Part No.	A-Code	Description	Pk Qty
AMT/LR 20 BK	9548	20mm Male Adaptors Black	100pcs
AMT/LR 20 WH	9600	20mm Male Adaptors White	100pcs
AMT/LR 25 BK	9549	25mm Male Adaptors Black	50pcs
AMT/LR 25 WH	9601	25mm Male Adaptors White	50pcs

NORMAL BEND BLACK



NORMAL BEND WHITE



INSPECTION BEND BLACK



INSPECTION BEND WHITE



Part No.	A-Code	Description	Pk Qty
NB 20 BK	8885	20mm Normal Bend Black	25pcs
NB 20 WH	9227	20mm Normal Bend White	25pcs
NB 25 BK	8886	25mm Normal Bend Black	10pcs
NB 25 WH	9228	25mm Normal Bend White	10pcs

Part No.	A-Code	Description	Pk Qty
IB 20 BK	9095	20mm Inspection Bend Black	50pcs
IB 20 WH	9257	20mm Inspection Bend White	50pcs
IB 25 BK	9096	25mm Inspection Bend Black	25pcs
IB 25 WH	9258	25mm Inspection Bend White	25pcs

INSPECTION ELBOW BLACK



INSPECTION ELBOW WHITE



INSPECTION TEE BLACK



INSPECTION TEE WHITE



Part No.	A-Code	Description	Pk Qty
IE 20 BK	16901	20mm Inspection Elbow Black	50pcs
IE 20 WH	16903	20mm Inspection Elbow White	50pcs
IE 25 BK	16902	25mm Inspection Elbow Black	20pcs
IE 25 WH	16904	25mm Inspection Elbow White	20pcs

Part No.	A-Code	Description	Pk Qty
IT 20 BK	9092	20mm Inspection Tee Black	50pcs
IT 20 WH	9254	20mm Inspection Tee White	50pcs
IT 25 BK	9093	25mm Inspection Tee Black	20pcs
IT 25 WH	9255	25mm Inspection Tee White	20pcs

LOCKRINGS BLACK



LOCKRINGS WHITE



LOCKNUTS BLACK



LOCKNUTS WHITE



Part No.	A-Code	Description	Pk Qty
LR 20 BK	9542	20mm Lockrings Black	250pcs
LR 20 WH	9594	20mm Lockrings White	250pcs
LR 25 BK	9543	25mm Lockrings Black	200pcs
LR 25 WH	9595	25mm Lockrings White	200pcs

Part No.	A-Code	Description	Pk Qty
LN 20 BK	9536	20mm Locknuts Black	200pcs
LN 20 WH	9588	20mm Locknuts White	200pcs
LN 25 BK	9537	25mm Locknuts Black	100pcs
LN 25 WH	9589	25mm Locknuts White	100pcs

RIGID CONDUIT & ACCESSORIES

TERMINAL BOX 1 WAY BLACK, WHITE



Part No.	A-Code	Description	Pk Qty
CB 20/1 BK	104251	20mm Terminal 1 Way Box Black	25pcs
CB 20/1 WH	104241	20mm Terminal 1 Way Box White	25pcs
CB 25/1 BK	104256	25mm Terminal 1 Way Box Black	25pcs
CB 25/1 WH	104246	25mm Terminal 1 Way Box White	25pcs

THROUGH BOX BLACK, WHITE



Part No.	A-Code	Description	Pk Qty
CB 20/2 BK	104252	20mm Through 2 Way Box Black	25pcs
CB 20/2 WH	104242	20mm Through 2 Way Box Black	25pcs
CB 25/2 BK	104257	25mm Through 2 Way Box Black	25pcs
CB 25/2 WH	104247	25mm Through 2 Way Box White	25pcs

ANGLE, BLACK, WHITE



Part No.	A-Code	Description	Pk Qty
CB 20/A BK	104253	20mm Angle Black	25pcs
CB 20/A WH	104243	20mm Angle White	25pcs
CB 25/A BK	104258	25mm Angle Black	25pcs
CB 25/A WH	104248	25mm Angle White	25pcs

TEE 3 WAY BOX BLACK, WHITE



Part No.	A-Code	Description	Pk Qty
CB 20/3 BK	104254	20mm Tee 3 Way Black	25pcs
CB 20/3 WH	104244	20mm Tee 3 Way White	25pcs
CB 25/3 BK	104259	25mm Tee 3 Way Black	20pcs
CB 25/3 WH	104249	25mm Tee 3 Way White	20pcs

INTERSECTION 4 WAY, BLACK, WHITE



Part No.	A-Code	Description	Pk Qty
CB 20/4 BK	104255	20mm Intersection 4 Way Black	20pcs
CB 20/4 WH	104245	20mm Intersection 4 Way White	20pcs
CB 25/4 WH	104250	25mm Intersection 4 Way White	10pcs
CB 25/4 BK	104260	25mm Intersection 4 Way Black	10pcs

BRANCH 2 WAY, BLACK, WHITE - U BOX



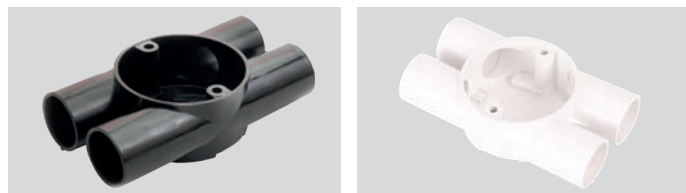
Part No.	A-Code	Description	Pk Qty
CB 20/2-U BK	9048	20mm Branch 2 Way Black	20pcs
CB 20/2-U WH	9373	20mm Branch 2 Way White	20pcs
CB 25/2-U BK	9050	25mm Branch 2 Way Black	20pcs
CB 25/2-U WH	9375	25mm Branch 2 Way White	20pcs

BRANCH 3 WAY, BLACK, WHITE - Y BOX



Part No.	A-Code	Description	Pk Qty
CB 20/3-Y BK	9052	20mm Branch 3 Way Black	20pcs
CB 20/3-Y WH	9377	20mm Branch 3 Way White	20pcs
CB 25/3-Y BK	9054	25mm Branch 3 Way Black	20pcs
CB 25/3-Y WH	9379	25mm Branch 3 Way White	20pcs

TWIN THROUGH WAY, BLACK, WHITE



Part No.	A-Code	Description	Pk Qty
CB 20/4-H BK	9056	20mm Twin Through Way Black	20pcs
CB 20/4-H WH	9381	20mm Twin Through Way White	20pcs
CB 25/4-H BK	9058	25mm Twin Through Way Black	20pcs
CB 25/4-H WH	9383	25mm Twin Through Way White	20pcs

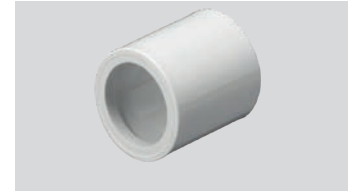
LOOP IN BOX 4 HOLE BLACK

LOOP IN BOX 4 HOLE WHITE



Part No.	A-Code	Description	Pk Qty
LIB 20/4W	9311	20mm Loop in Box 4 Hole White	25pcs
LIB 20/4B	8978	20mm Loop in Box 4 Hole Black	25pcs

REDUCER WHITE, BLACK



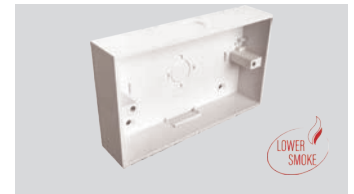
Part No.	A-Code	Description	Pk Qty
R 25x20 WH	9321	25mm - 20mm Reducer White	50pcs
R 25x20 BK	8992	25mm - 20mm Reducer Black	50pcs

CIRCULAR LIDS (LIP) BLACK /WHITE



Part No.	A-Code	Description	Pk Qty
CBL 16-25 BK	8980	16-25mm Circular Lids Black	100pcs
CBL 16-25 WH	9314	16-25mm Circular Lids White	100pcs
CPL 16-25 WH	35474	16-25mm Circular Lids with Lip White	100pcs
CPL 16-25 BK	35473	16-25mm Circular Lids with Lip Black	100pcs

SURFACE BOXES



Part No.	A-Code	Description	Pk Qty
SHB 20/1 WH	25524	87x87x35 Surface Box	15pcs
SHB 20/2 WH	34347	87x147x32 Surface Box	10pcs

MALE BUSH SCREWED BLACK

MALE BUSH SCREWED WHITE



Part No.	A-Code	Description	Pk Qty
MBS 20 BK	9080	20mm Male Bush Screwed Black	200pcs
MBS 20 WH	10190	20mm Male Bush Screwed White	200pcs
MBS 25 BK	9081	25mm Male Bush Screwed Black	100pcs
MBS 25 WH	10191	25mm Male Bush Screwed White	100pcs

CONDUIT BENDING BLOCK



Part No.	A-Code	Description	Pk Qty
GP 23-36	938	Conduit Bending Block	1pc

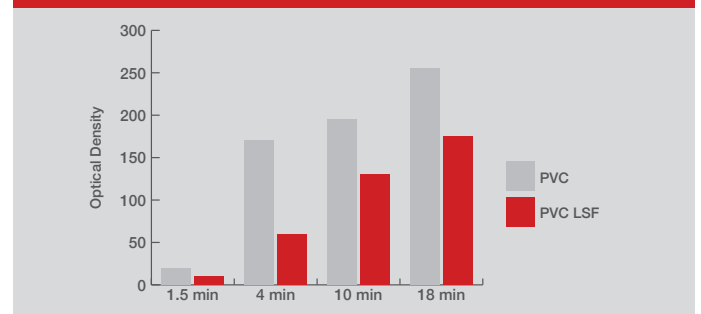
BENDING SPRING H/G

BENDING SPRING L/G



Part No.	A-Code	Description	Pk Qty
BSL 20	9135	20mm Bending Spring L/G	1pc
BSL 25	9136	25mm Bending Spring L/G	1pc
BS 20-LSF	8912	20mm Bending Spring H/G - LSF	1pc
BS25-LSF	8913	25mm Bending Spring H/G - LSF	1pc

Smoke Release - Standard PVC vs PVC/LSF*



* All figures refer to standardised test samples and are given to our best knowledge but without further commitment. It is Univolt's belief that information set forth in this Data Sheet is accurate, Univolt makes no warranty, expressed or implied, with respect thereto and disclaims any liability from reliance thereon. All data are subject to change without prior notice.



SAFETY FIRST FOR CONTRACTORS AT NEW HOSPITAL DEVELOPMENT

PROJECT: HEATHERWOOD
PRODUCT: PVC CONDUIT
SECTOR: MEDICAL

Contractor, White Horse Electrical, has installed a full range of cable containment solutions from Dietzel Univolt.

Large quantities of Univolt's PVC LSF as well as new wire basket cable containment has been installed throughout the vast site.

Contractor, White Horse Electrical, has opted for a full range of cable containment solutions from Dietzel Univolt, including PVC conduit and conduit accessories in an LSF specification as part of the firm M&E works at Heatherwood Hospital in Ascot.

The new £98m Heatherwood Hospital is set to replace the 100-year-old existing facility and is due for completion by 2021.

The team at White Horse Electrical has worked closely with Univolt's Steve Davis during the specification phase to identify the safest and most robust products available, presenting the firm's unique solution to the main contractor and end user.

CABLE CONTAINMENT FOR £11M DEVELOPMENT AT HMS CAMBRIA

PROJECT: HMS CAMBRIA CLIENT: BLUES ELECTRICAL
PRODUCT: UPVC LSF CONDUIT AND ACCESSORIES AND WIRE BASKET

Contractor, White Horse Electrical, has installed a full range of cable containment solutions from Dietzel Univolt.

Large quantities of Univolt's PVC LSF as well as new wire basket cable containment has been installed throughout the vast site. The new HMS Cambria building in Cardiff Bay will deliver state-of-the-art training and education facilities as well as accommodation and office suites alongside social and fitness areas for use by the Royal Naval Reserve, Royal Marines Reserve and University Royal Naval Units.

Blues Electrical will carry out a full Electrical installation at the site which is being managed by main contractor Morgan Sindall. The firm has opted for the Univolt conduit with an LSF (Low Smoke Flame Retardancy) specification, as well as a range of accessories and our latest product offering, the quick fix wire basket.

