

OVERVIEW



Kopex - The Original And Still The Best

Kopex International has been manufacturing and supplying electrical conduit systems since 1947, and has become a recognised authority in all aspects of conduit system specification, design and manufacture.

Rigorous quality standards and a dedicated design and development programme ensure that Kopex products are not only of the highest specification and reliability, but also represent the most cost effective solution.

Kopex products are available worldwide through an extensive network of agents and distributors.

You will find details of all these products, including technical and quality data, within the pages of this catalogue which has been redesigned to ensure product selection is easier, quicker and clearer.

As part of continuing product development Kopex International reserve the right to alter product specifications without prior notice.

Data given is correct at time of compilation. Product specification and application data is for guidance only and does not constitute a warranty of any kind, either expressed or implied for Kopex products or their suitability for a specific purpose. Kopex is not liable for any claims arising from product misuse.

Third party approvals may be limited to certain sizes within a product range.

Please refer to Kopex Datasheets for more detailed information on construction, technical data, characteristics and usage, available on request.

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Conduit Selection Guide



	Product Section (Pages)	Flexible	Pliable	High Mechanical Strength	Oil and Chemical Resistant	Zero Halogen	Low Acid
LT-PVC RO-PVC LT-T UL/CSA LT-H	Liquid Tight (7 - 12)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		V V V V	V	v	V
KEU KEBF KEBT	KE Ultra (13 - 16)	<i>V V</i>		V V		V	V V
LS1 Uncovered LS2 Uncovered LS1 Covered LS2 Covered AL2 LS1 Type T	Pliable (17 - 20)		>>>>	>>>>		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
KSU LT-PVC Stainless LT-H Stainless LT-T Stainless	Stainless Steel (21 - 24)	<i>V V V</i>		V V V	V	V	<i>v</i>
Superscreen Type T Superscreen Type H Screenflex 3 Screenflex 5 Screenflex 6	Screenforce (25 - 28)	<i>V V V</i>	<i>V</i>	V V V	V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<i>V V V</i>
Economy Duty Nylon EE- Standard Duty Nylon ER- Premium Duty Nylon EP- Standard Duty LFH Nylon EA-L Extra Flexible Nylon EK- Heavy Duty Nylon EVB Standard Duty Polyproylene Premium Duty Jumboflex PEEK Unbraided	Quick Click (29 - 38)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		V		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Electroflex 150 Electroflex 160 Electroflex 171	Electroflex	>>>		V			

Conduit Selection Gucablectrix Ltd

ı	1	EMC								
Limited Fina	-	Screening Level in	Alematica	Otatia Tanan						
Limited Fire Hazard	Flame Retardant	dB at 1MHz	Abrasion Resistant	Static Temp. Rating °C	IP40	IP50	IP54	IP65	IP66	IP67
	~			-25°C to +105°C					~	~
~	~			-25°C to +105°C -25°C to +90°C					V	V
· ·	~			-25°C to +105°C					~	~
	~			-50°C to +130°C					V	~
~	~			-50°C to +300°C	~					
V	~			-25°C to +70°C -25°C to +90°C			~	~		
		74dB		-40°C to +150°C			V			
		74dB		-40°C to +150°C			~			
	~	74dB 94dB		-40°C to +105°C -40°C to +105°C					V	V
	~	53dB		-40°C to +105°C					~	V
~	V	74dB		-25°C to +90°C					V	✓
V	~		~	-50°C to +350°C	V					
	V			-25°C to +105°C -50°C to +130°C					V	V
V	~			-25°C to +90°C					V	
V	V	106dB		-25°C to +90°C					~	V
	~	106dB		-50°C to +130°C					~	V
	V	60dB	~	-40°C to +120°C					~	
V	~	98dB 60dB	~	-60°C to +260°C -60°C to +260°C					V	V
	~	COGD		-40°C to +120°C					V	
	~			-40°C to +120°C					~	
	~			-40°C to +120°C					~	
~	~			-40°C to +120°C					~	
	~			-50°C to +120°C -40°C to +120°C					V	
				-20°C to +95°C					~	
	~			-40°C to +120°C	~					
V	~			-60°C to +260°C					V	✓
	~			-20°C to +60°C				~		
				-20°C to +60°C -20°C to +60°C				V		V
				20 0 10 100 0						

CAPABILITIES



Bulk Quantities

Kopex offers a bulk purchasing option for large volume users, including reeled conduit and bulk packed fittings for most product types. Bulk volumes are made to order for specific customer requirements, please contact the Kopex Sales Office for price and delivery.

The benefits of bulk ordering can be:

- Reduced frequency of order reducing administration costs
- Reduced packaging reducing wasteage on site
- More efficient storage reducing handling and therefore cost

Cut Lengths and Assemblies

Conduit can be provided in specified pre-cut lengths and if required with connectors ready fitted. Cut lengths and assemblies are made to order, please contact our sales department for price and delivery.

The benefits of cut lengths and assemblies can be:

- · No on-site measuring of conduit faster installation time and consequently reduced labour costs
- No on-site cutting less wastage of material further reducing labour cost
- No assembly of fittings onto conduit avoids mistakes, reduces installation time, reducing labour costs

Specials

Kopex is constantly researching new materials, product types and designs. Please contact the sales department to discuss any requirements which are not offered as standard within this catalogue.

Stock

A comprehensive range of the product in this catalogue are kept in stock at our central UK warehouse. Contact your local sales point or the Kopex Sales Office to check availability of your chosen products.

Application Service from Kopex (ASK)

Kopex provides free specification and selection advice to help find the best solution for a given application. Please contact the Kopex Sales Office to request more information or arrange for a Sales Manager to call.

KOPEX



Liquid Tight Flexible Metallic Conduit System

RANGE OVERVIEW

An extensive range of conduit and fittings suited to not just liquid tight applications but the most demanding environments.

All the conduits listed are fully flexible with exceptional mechanical strength. The selection includes standard and specialist conduit jackets with a full range of fittings to IP66, IP67 and IP68.



• LT-PVC

A robust general purpose conduit with a high IP rating against dust and water when used with KF-F or KF-C connectors. Galvanised steel core with cotton packing and PVC covering.

• RO-PVC

Similar to LT-PVC conduit but with increased protection from dilute acids, alkalis, and hydro-carbon products.

• LT-T

A Low Fire Hazard variant which is **Fully Compliant** with London Underground Ltd. Galvanised steel core and Limited Fire Hazard Type T covering offering low toxicity and zero halogen.

• UL / CSA

A dual listed conduit suitable for use in the USA and Canada. Use with KF-F connector. Galvanised steel with copper packing and PVC covering.

• LT-H

Galvanised steel core with cotton packing and chemical and oil resistant Type H covering. It has a wide operating temperature and is available in blue for instrinsically safe applications. Resistances include Skydrol aerospace oil.



Connectors

• KF-F

Multi-part connectors made from nickel plated brass. Suitable for use in industrial and Zone 2 applications.

KF-C

One piece swivel connectors manufactured in zinc plated mild steel with PVC sleeve. Suitable for use in industrial and Zone 2 applications.

Gasket Assembly

Accessory to the range for metric and NPT thread applications.







CONDUIT SELECTION
See pages 10 - 12 for suitable connectors

	Temp. Rating	Flame Propogation	Special Characteristics	Approvals
LT-PVC General Flexible	Static -25°C to +105°C Flexing -5°C to +105°C	Flame dies in less than 30 seconds after ignition source is removed	Flame retardant PVC covering	IEC 61386
RO-PVC Oil Resistant Flexible	Static -25°C to +105°C Flexing -5°C to +105°C	Flame dies in less than 30 seconds after ignition source is removed	Superior to LT-PVC against dilute acids, alkalis and hydro carbon products	IEC 61386
LT-T Limited Fire Hazard Flexible	Static -25°C to +90°C Flexing -5°C to +90°C	Flame dies in less than 30 seconds after ignition source is removed	Limited Fire Hazard, zero halogen (BS6425 Pt 1)	LUL Fully Compliant (E1042A6), MOD to NES 518:Issue 3 DEF STAN 61-12 (Part 31) Issue 1, IEC 61386
UL / CSA	Static -25°C to +105°C Flexing -5°C to +105°C UL Rating -10°C to +60°C CSA Rating -10°C to +75°C	Flame dies in less than 60 seconds after 3 applications, and ignition source is removed	Flame retardant PVC covering	UL, CSA, UL File number E76358
LT-H High Temperature	Static -50°C to +130°C Flexing -5°C to +130°C	Flame dies in less than 30 seconds after ignition source is removed	Flame resistance: UL94 V ₂ Chemical and oil resistant	IEC 61386





BRITISH CONDUIT SIZ	'E (mm)	10	12	16	20	25	32	40	50	63
US TRADE SIZE (II	NCHES)	1/4	⁵ /16	3/8	1/2	3/4	1	1 ¹ / ₄	1 ¹ /2	2
INSIDE DIAMETE	-	6.2	10.0	12.5	16.0	21.0	26.0	34.8	40.4	51.6
INSIDE DIAMETE	ar (min)	0.2	10.0	12.5	10.0	21.0	20.0	34.0	40.4	31.0
COIL LENG	THS (m)	10/30	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20
	Colour									
ı	BLACK	FLB01*	FLB02*	FLB03*	FLB04*	FLB05*	FLB06*	FLB07*	FLB08*	FLB09*
_	JE 10.1	I LDC.	I LDUL	I LDOO	I LDV-	1 LDOO	LEDOU	i LDC.	LDOO	I LD00
	2DEV	201#	- : 200+	-: 200#	204	-: 2054	200+	-: 20	- : 200+	
	GREY	FLG01*	FLG02*	FLG03*	FLG04*	FLG05*	FLG06*	FLG07*	FLG08*	FLG09*
ı	BLACK	_	_	FRB03*	FRB04*	FRB05*	FRB06*	FRB07*	FRB08*	FRB09*
				11.200	111201	11.000	11.500	11.50.	11.200	TTIBOO
	^DEV			-5000+			-D000+		-D000+	 200#
•	GREY	-	-	FRG03*	FRG04*	FRG05*	FRG06*	FRG07*	FRG08*	FRG09*
					/					
					/	/	-	ř.		
			/	<u>/ </u>	-1-/					
	BLACK	_	_ /	FLT03*	FLT04*	FLT05*	FLT06*	FLT07*	FLT08*	FLT09*
-	JE/1011	_	_/	1 2100	1,51	1 1100	I LIGO	I LIVI	1 2100	I LI UU
			/		K	/				
			/							
			/	/	1					
				/						
				/			Ú.			
				/		2				
	DI AOK			FUD02*	TUD04*	TUD0E*	FUBOC*	-LID07*	FLID00*	ELID00*
'	BLACK	- /	_	FUB03*	FUB04*	FUB05*	FUB06*	FUB07*	FUB08*	FUB09*
						1				
	GREY	-	-	FUG03*	FUG04*	FUG05*	FUG06*	FUG07*	FUG08*	FUG09*
							C.			
	D: 401/			I I I O O *	EL 110.4*		EL 1100*	LIO7*	LIOO*	E1 1100*
'	BLACK	-	-	FLH03*	FLH04*	FLH05*	FLH06*	FLH07*	FLH08*	FLH09*
ı	BLUE	-	-	FLLH03*	FLLH04*	FLLH05*	FLLH06*	FLLH07*	-	-
										!





CONNECTOR SELECTIONSee pages 8 - 9 for suitable conduits

	Connector Description	Suitable Conduits & IP Rating	Approvals	BRITISH CONDUIT SIZE (mm) US TRADE SIZE (INCHES)
KF-F Straight	Straight male, steel/zinc plated	LT-PVC RO-PVC LT-T UL/CSA LT-H IP66/67 & 6 10 bar 30min	8 UL UL file number E60625	Pack Quantity Thread Size - Metric (mm) Ordering Code Thread Size - PG Ordering Code Thread Size - NPT (in.) Ordering Code
KF-F 45°	45° male elbow, steel and malleable iron/zinc plated	LT-PVC RO-PVC LT-T UL/CSA LT-H	UL	Pack Quantity Thread Size - Metric (mm) Ordering Code Thread Size - PG Ordering Code Thread Size - NPT (in.) Ordering Code
KF-F 90°	90° male elbow, steel and malleable iron/zinc plated	LT-PVC RO-PVC LT-T UL/CSA LT-H	UL	Pack Quantity Thread Size - Metric (mm) Ordering Code Thread Size - PG Ordering Code Thread Size - NPT (in.) Ordering Code
KF-C Straight	Straight male, black PVC sleeve, steel/zinc body	LT-PVC RO-PVC LT-T CSA LT-H		Pack Quantity Thread Size - Metric (mm) Ordering Code Thread Size - PG Ordering Code Thread Size - NPT (in.) Ordering Code





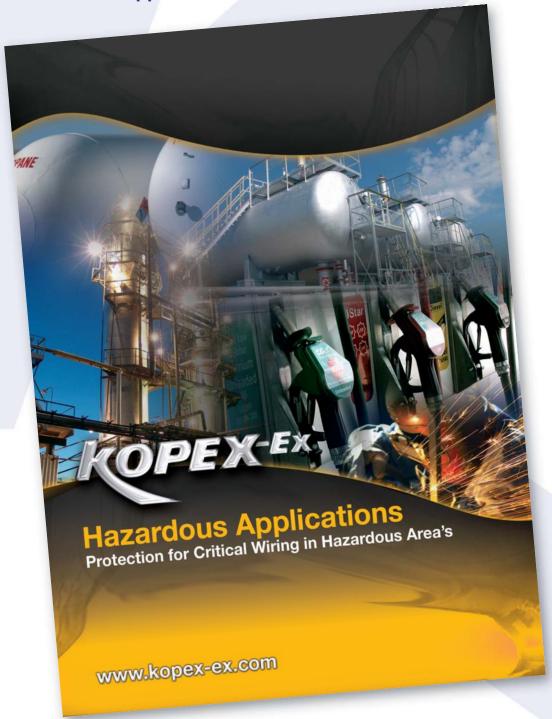
10	12	16	16	20	25	32	40	50	63	
1/4	⁵ /16	3/8	3/8	1/2	3/4	1	1 ¹ / ₄	1 ¹ / ₂	2	
25	25	25	25	25	10	5	5	2	1	
16	16	16	20	20	25	32	40	50	63	
XQM0103	XQM0203	XQM0303	XQM0304	XQM0404	XQM0505	XQM0606	XQM0707	XQM0808	XQM0909	
7	9	11	13.5	16	21	29	36	42	48	
XQP0101	XQP0202	XQP0303	XQP0304	XQP0405	XQP0506	XQP0607	XQP0708	XQP0809	XQP0910	
_	_	_	1/2	1/2	3/4	1	11/4	11/2	2	
-	-	-	XQA0304	XQA0404	XQA0505	XQA0606	XQA0707		XQA0909	
-	-	10	10	10	10	5	5	2	1	
-	-	16	20	20	25	32	40	50	63	
-	-	XRM0303	XRM0304	XRM0404	XRM0505	XRM0606	XRM0707	XRM0808	XRM0909	
_	_	11	13.5	16	21	29	36	42	48	
-	-	XRP0303	XRP0304	XRP0405	XRP0506	XRP0607	XRP0708		XRP0910	
_	_	_	1/2	1/2	3/4	/ 1	11/4	1 ¹ /2	2	
-	-	-	XRA0304	XRA0404	XRA0505	XRA0606	XRA0707	XRA0808	XRA0909	
-	-	10	10	10	10	5	5	2	1	
-	-	16	20	20	25	32	40	50	63	
-	-	XSM0303	XSM0304	XSM0404	XSM0505	XSM0606	XSM0707	XSM0808	XSM0909	
_	_	11	13.5	16	21	29	36	42	48	
-	-	XSP0303	XSP0304	XSP0405	XSP0506	XSP0607	XSP0708	XSP0809	XSP0910	
_	_	_	1/2	1/2	3/4	1	11/4	1 ¹ /2	2	
-	-	-	XSA0304	XSA0404	XSA0505	XSA0606	XSA0707	XSA0808	XSA0909	
-	-	25	25	25	10	5	5	2	1	
-	-	16	-	20	25	32	40	50	63	
-	-	XMM0303	-	XMM0404	XMM0505	XMM0606	XMM0707	XMM0808	XMM0909	
-	-	11	13.5	16	21	29	36	42	48	
-	-	XMP0303	XMP0304	XMP0405	XMP0506	XMP0607	XMP0708	XMP0809	XMP0910	
_	_	_	1/2	1/2	3/4	1	11/4	11/2	2	
-	-	-	XMA0304	XMA0404	XMA0505	XMA0606	XMA0707	XMA0808	XMA0909	
ACCESSORIE	ES									
GASKET ASSI	EMBLY		Pack Quan	tity 25	25	10	5	5	2	1
		Thread Siz	ze - Metric (n	nm) 16	20	25	32	-	-	-
			Ordering C		A03 XCMGA	A04 XCMGA	A05 XCMGA	.06 -	-	-
		Thread	d Size - NPT	- (in.)	1/2	3/4	1	11/4	11/2	2
			Ordering Co		XCAGA	04 XCAGA	05 XCAGA	.06 XCAGA	.07 XCAGA08	3 XCAGA09





See our New ATEX Range!

- Nylon & Metallic conduit systems for:
- Power Cables
- Data Cables
- Exe Applications
- Exd Applications





KE Ultra Flexible Metallic Conduit System

RANGE OVERVIEW

The KE system offers a full range of flexible metallic conduits and connectors. It has been designed to offer economical, high quality products for commercial and industrial users.

Conduits are available in covered and uncovered formats all with excellent crush and flexing characteristics, ideal for vibrating and bending applications.

Connectors have excellent pull-off characteristics and offer IP40 to IP65 making this cost effective range suitable for a broad range of locations.

Conduits

• KEU

Standard flexible uncovered metallic conduit constructed from helically wound galvanised steel.

KEBF

Galvanised steel conduit with a flame retardant low acid PVC covering.

KEBT

Galvanised steel core with a low toxicity Limited Fire Hazard covering. KEBT conduit is Fully Compliant with London Underground Limited.



Connectors

KF-E for KEU conduit

Nickel plated brass connectors in straight, fixed and swivel, male formats, in addition a special "space saver" straight connector offers the ideal solution for installations with limited fitting space.

KF-E for KEBF and KEBT conduits

This range of connectors includes the straight, fixed and swivel male fitting, and the space saver as for KEU, but also offers a straight female version and high IP water-tight straight male connector. All fittings are manufactured from nickel plated brass for a professional finish.





KE Ultra Flexible Metallic Conduit System

CONDUIT SELECTION

		Temp. Rating	Flame Propogation	Special Characteristics	Approvals
KEU Galvanised Steel		–50°C to +300°C	Contains no flame propogating materials		
KEBF PVC Covered Steel		Static -25°C to +70°C Flexing -5°C to +70°C	Flame dies in less than 30 seconds	Flame retardant low acid PVC covering	
KEBT Covered Steel		Static -25°C to +90°C Flexing -5°C to +90°C (at 2 x minimum bend radius)	Flame dies in less than 30 seconds	Limited Fire Hazard, zero halogen (BS6425 Pt 1)	LUL Fully Compliant, (E1042A6) for fixed locations and rolling stock MOD to NE5518: Issue 3 DEF STAN 6142 (Part 31)
CONNECTOR SI	ELECTION	Connector Description	Suitable Conduits & IP rating	Approvals	
KF-E Fixed For uncovered conduit	##	Fixed straight male Brass/nickel plated	KEU - IP40		
KF-E Swivel For uncovered conduit		Swivel straight male Brass/nickel plated	KEU - IP40		
KF-E Fixed For covered conduit		Fixed straight male Brass/nickel plated	KEBF IP54		
KF-E Swivel For covered conduit		Swivel straight male Brass/nickel plated	KEBF IP54		





KE Ultra Flexible Metallic Conduit System

BRITISH CONDUIT SIZE (mm)	10	12	16	20	25		32	40	50				
INSIDE DIAMETER (mm)	7.0	10.0	12.9	17.0	21.		3.4	36.4	48.2				
COIL LENGTHS (m)	10/30	10/30	10/30	10/30/5	0 10/30	/50 10	/20	10/20	10/20				
Colour	10/30	10/30	10/00	10/30/3	10/30	750 10	720	10/20	10/20				
	KEU01*	KEU02*	KEU03*	KEU04*	KEU)5* KE	U06* I	KEU07*	KEU08*				
BLACK	KEBF01*	KEBF02*	KEBF03*	KEBF04	* KEBF	05* KEF	3F06* K	EBF07*	KEB08*1				
22.01													
COIL LENGTHS (m)	-	- /	10/30	10/30	10/3	30 10	/20	10/20	-				
DI AOV			KEBT03*	KEBT04	* KEBT	05* VE	3T06* K	′FDT07*					
BLACK	-	- /	KED103	KEB104	KEDI	US KEE	0100 r	EBT07*	-				
			1										
,	*add coil length to complete part number e.g. 10 metres of KEU 10mm = KEU0110 ¹denotes standard PVC covering												
BRITISH CONDUIT SIZE (mm)		12	16	16	20	25	32	40	 50				
Pack Quantity		25	25	25	25	10	5	5	2				
Thread Cine Matrie (mm)	/		16	20	20	25	32	40	50				
Thread Size - Metric (mm) Ordering Code		-	16 GFM0303	GFM0304	20 GFM0404			40 GFM0707	50 GFM0808				
Thread Size - PG		9	11	-	16	21	29	36	-				
Ordering Code		GFP0202		-	GFP0405	GFP0506		GFP0708					
Thread Size - Metric (mm) Ordering Code		-	16 GGM0303	- -	20 GGM0404	25 GGM0505	32 GGM0606	40 GGM0707	50 GGM0808				
Thread Size - PG	7	9	11	-	16	21	29	36	-				
Ordering Code	GGP0101	GGP0202	GGP0303	-	GGP0405	GGP0506	GGP0607	GGP0708					
Thread Size - Metric (mm) Ordering Code		- -	16 GAM0303	20 GAM0304	20 GAM0404	25 GAM0505	32 GAM0606	40 GAM0707	50 GAM0808				
Thread Size - PG		9	11	_	16	21	29	36	_				
Ordering Code			GAP0303	-	GAP0405			GAP0708	-				
Thread Size - Metric (mm)		-	16	-	20	25	32	40	50				
Ordering Code		•	GBM0303	-		GBM0505			GRINIO908				
Thread Size - PG Ordering Code		9 GBP0202	11 GBP0303	-	16 GBP0405	21 GBP0506	29 GBP0607	36 GBP0708	-				





KE Ultra Flexible Metallic Conduit System

CONNECTOR SELECTIONSee pages 14-15 for suitable conduits

BRITISH CONDUIT SIZE (mm) 10 12 16 20 25 32 40 **50** 25 25 **Pack Quantity** 25 25 10 5 5 2

Connector Type: Space Saver

Connector Description: Fixed straight. Brass / nickel plated





GYN

GUN

Use GYN with uncovered KE conduits and GUN with covered versions.

Suitable Conduits IP Rating

Ordering Code GYN0101 KEU IP40 GYN0202 GYN0303 GYN0404 GYN0505 GYN0606 GYN0707 GYN0808 KEBF & KEBT IP54 Ordering Code GUN0101 GUN0202 GUN0303 **GUN0404 GUN0505 GUN0606 GUN0707 GUN0808**

Connector Type: KF-E Female

Connector Description: Fixed female straight. Brass / nickel plated



For covered KE conduits.

Suitable Conduits IP Rating

Thread Size & Type PG7 PG9 16mm 20mm 25mm 32mm 40mm 50mm KEBF & KEBT IP54 GCP0101 GCP0202 GCM0505 Ordering Code GCM0303 GCM0404 GCM0606 GCM0707 GCM0808

Connector Type: KF-E Water-Tight

Connector Description:: Fixed straight male. Brass / nickel plated.



For covered KE conduits.

Suitable Conduits IP Rating

Thread Size - Metric (mm) - - 16 20 25 32 40 -

KEBF & KEBT IP65 Ordering Code - - GQM0303 GQM0404 GQM0505 GQM0606 GQM0707





Pliable Conduit System

RANGE OVERVIEW

The Pliable Conduit System from Kopex is renowned for its quality and design, providing product that is both versatile and reliable for general use as well as specialist applications.

Kopex Pliable Conduits are easily bent by hand, and retain their shape when finally positioned. They are ideal for static or limited vibration applications, provide screening against EMI, RFI and EMP, and give excellent protection against crushing and impact. Low acid and flame retardant coverings are included for enhanced safety.

The range of connectors complete the screening protection and allow up to IP66 & 67 to be achieved with covered conduit types and IP54 with uncovered versions.

Connectors

• C10

Straight connector for uncovered conduits in metric (nickel plated brass) and imperial threads (aluminium).

• C12

General purpose straight connector for covered conduits (metric and imperial).

C18

C18 connectors found on page 28 can also be used with PVC covered pliable conduits in place of C12 connectors.



Conduits

• LS1 Uncovered

A general purpose pliable conduit, constructed from steel and a Kraft paper inner layer.

LS2 Uncovered

LS2 uncovered pliable conduit is made from a double layer of steel with a 50% overlap separated by a Kraft paper inner core. It gives excellent protection against impact and crushing.

• LS1 Covered

LS1 Covered uses a flame retardant low acid PVC covering over steel and Kraft paper to provide a versatile pliable conduit with a high IP rating.

• LS2 Covered

Similar to LS1 Covered but with an extra layer of steel for enhanced impact protection.

AL2 Covered

AL2 uses flame retardant low acid PVC over a double layer of aluminium separated by Kraft paper. It is lightweight, robust and non-magnetic.

LS1-Type T Covered

Constructed from steel and Kraft paper with a Limited Fire Hazard low toxicity Type T covering.





CONDUIT SELECTION See page 20 for suitable connectors

	Temp. Rating	Flame Propogation	Special Characteristics	Approvals
LS1 Uncovered	-40°C to +150°C		EMC Screening 74dB at 1 MHz with C10 connector	
LS2 Uncovered (Heavy Duty)	-40°C to +150°C		EMC Screening 94dB at 1 MHz with C10 connector	
LS1 Covered (Flame Retardant Low Acid PVC)	-40°C to +105°C	Flame dies in less than 30 seconds after ignition source is removed	EMC Screening 74dB at 1 MHz with C12 connector	
LS2 Covered (Heavy Duty, Flame Retardant Low Acid PVC)	-40°C to +105°C	Flame dies in less than 30 seconds after ignition source is removed	EMC Screening 94dB at 1 MHz with C12 connector	
AL2 (Aluminium, Flame Retardant Low Acid PVC Covering)	-40°C to +105°C	Flame dies in less than 30 seconds after ignition source is removed	EMC Screening 53dB at 1 MHz with C12 connector	
LS1 -Type T (Limited Fire Hazard Covering)	-25°C to +90°C	Flame dies in less than 30 seconds after ignition source is removed	EMC Screening 74dB at 1 MHz with C12 connector	MOD to NES518:Issue 3, DEF STAN 61-12 (Part 31) Issue 1





BRITISH CONDUIT SIZE	(mm)	12	16	20	25	32	40	50	63	75
INSIDE DIAMETER	(mm)	8.3	11.6	14.6	20.4	26.7	32.8	45.3	56.3	69.2
COIL LENGTH	JC (m)	10/20	10/30	10/30	10/30	10/20	10/20	10/20	10/20	10/20
COIL LENGTH		10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20	10/20
	Colour SELF	PSU02*	PSU03*	PSU04*	PSU05*	PSU06*	PSU07*	PSU08*	PSU09*	_
		1 0002	1 0000	1 0004	1 0000	1 0000	1 0007	1 0000	1 0003	
	SELF	PHU02*	PHU03*	PHU04*	PHU05*	PHU06*	PHU07*	PHU08*	PHU09*	-
					7					
					/					
	DI ACK	PSBF02*	PSBF03*	PSBF04*	PSBF05*	PSBF06*	PSBF07*	PSBF08*	PSBF09*	PSBF10*
	BLACK	F 3DI 02	1 301 03	F 3DI 04	Jobi os	1 3DI 00	r 3Bi 07	F 3 DI 00	1 301 03	T ODI TO
			/							
				\wedge						
	BLACK	PHBF02*	PHBF03*	PHBF04*	PHBF05*	PHBF06*	PHBF07*	PHBF08*	PHBF09*	PHBF10*
			/							
		_								
	BLACK	PLBF02*	PLBF03*	PLBF04*	PLBF05*	PLBF06*	PLBF07*	PLBF08*	PLBF09*	PLBF10*
	BLACK	PST02*	PST03*	PST04*	PST05*	PST06*	PST07*	PST08*	PST09*	PST10*





CONNECTOR SELECTION See pages 18-19 for suitable conduits

BRITISH CONDUIT SIZE (mm)	12	16	20	25	32	40	50	63	75
Pack Quantity	25	25	25	10	5	5	2	1	1

Connector Type:

C10 IP54 for uncovered conduit i.e. PSU/PHU Connector Description: Fixed male Brass/nickel



Thread Size - Metric (mm)		16	20	25	32	40	-	-	-
Body Type	-	Hexagonal	Hexagonal	Hexagonal	Hexagonal	Hexagonal	-	-	-
Ordering Code	-	BAM0303	BAM0404	BAM0505	BAM0606	BAM0707	-	-	-
Thread Size - Imperial (inches)	1/2	-	- /	-	-	11/2	2	$2^{1}/_{2}$	-
Body Type	Hexagonal	-	-	-	-	Hexagonal	Round	Round	-
Ordering Code	BAE02021	-	- 0	-	-	BAE0707	BAE08081	BAE09091	-
	¹items are a	luminium							

Connector Type: C12 IP66 & 67 for covered conduit i.e. PSBF/PHBF/PLBF/PST

Connector Description: Fixed male. Brass/nickel



Thread Size - Metric (mm)	16	16	20	25	32	40	50	-	-
Body Type	Hexagonal	Hexagonal	Hexagonal	Hexagonal	Hexagonal	Hexagonal	Round	-	-
Ordering Code	BCM02031	BCM0303	BCM0404	BCM0505	BCM0606	BCM0707	BCM08081	-	-
Thread Size - Imperial (inches)	1/2		-	-	-	11/2	2	$2^{1}/_{2}$	3"
Body Type	Hexagonal	-	-	-	-	Hexagonal	Round	Round	Round
Ordering Code	BCE02021		-	-	-	BCE0707	BCE08081	BCE09091	BCE10101
	items are all	uminium							

ACCESSORIES

Type End Cap Material HDPE

Description Protective insert for conduit ends, to prevent cable chafing



BRITISH CONDUIT SIZE (mm) 12 16 Pack Quantity 25 25

Ordering Code BXNPB02 BXNPB03 BXNPB04 BXNPB05 BXNPB06 BXNPB07 BXNPB08

20

25

32

50



RANGE OVERVIEW

The Kopex Stainless Steel Conduit System further enhances the KE and Liquid Tight flexible conduit ranges with the benefits of 316 stainless steel. The range is particularly suitable for corrosive environments, and the flexible design means it is ideal for constantly vibrating or flexing applications.

The KSU uncovered conduit and connector can provide ingress protection to IP40, whereas the LT covered alternatives provide IP66 and 67 when used with KF-F fittings.

Conduits

• KSU Uncovered

A high quality general purpose flexible conduit, constructed from helically wound 316 stainless steel.

LT-PVC Stainless

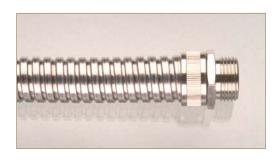
A liquid tight flexible conduit constructed with a cotton packed stainless steel core and flame retardant PVC covering.

LT-H Stainless

Similar to the LT-PVC Stainless conduit, LT-H uses a Type H flame retardant covering giving an improved operating temperature range and high resistance to oils and chemicals.

• LT-T Stainless

Completing the covered stainless range, LT-T includes the benefits of stainless steel liquid tight conduits with a Limited Fire Hazard low toxicity Type T covering for enhanced safety.



Connectors

• KF-E Stainless Steel Connector

A straight male fitting for the KSU conduit available in metric and PG thread options. Made from matching 316 stainless steel.

• KF-F Stainless Steel Connector

A straight male connector suitable for all the covered stainless steel conduits, the KF-F stainless steel connector is available in metric and NPT thread types. It's robust construction makes it ideal for industrial and Zone 2 applications.





CONDUIT SELECTION

CONDUIT SELECTIONSee page 24 for suitable connectors

	Temp. Rating	Flame Propogation	Special Characteristics	Approvals
KSU	Uncovered Flexib -50°C to +350°C	ole 316 Stainless Steel Co Contains no flame propogating materials.	nduit	
LT-PVC Stainless	Liquid Tight 316 S Static -25°C to +105°C Flexing -5°C to +105°C	Stainless Steel Conduits Flame dies in less than 30 seconds after ignition source removed.		IEC61386
LT-H Stainless	Static -50°C to +130°C Flexing -5°C to +130°C	Flame dies in less than 30 seconds after ignition source removed.	Chemical and oil resistant. Jacket rated UL94-V ₂	IEC61386 MOD to NES 518: Issue 3 DEF STAN 61-12 (Part 13)
LT-T Stainless	Static -25°C to +90°C Flexing -5°C to +90°C	Flame dies in less than 30 seconds after ignition source removed.	Limited Fire Hazard.	IEC61386
KSU Small Bore	Uncovered Flexib -50°C to +350°C	ole 316 Stainless Steel Contains no flame propogating materials		





Stainless Steel Conduit System

BRITISH CONDUIT SIZE (mm)	10	12	16	20	25	32	40	50	63	
US TRADE SIZE (INCHES)	1/4	⁵ / ₁₆	3/8	1/2	3/4	1	1 ¹ / ₄	1 ¹ / ₂	2	
COIL LENGTHS (m)	10/30	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20	
INSIDE DIAMETER (mm)	6.4	10.0	12.9	17.0	21.1	28.4	36.4	-	-	
Colour										
	1.0110.44	14011001	1401100			14011001	140110=1			
SELF	KSU01*	KSU02*	KSU03*	KSU04*	KSU05*	KSU06*	KSU07*	-	-	Į
										Į
INSIDE DIAMETER (mm)	_	_	12.5	16.0	21.0	26.0	34.8	40.4	51.6	
INSIDE DIAMETER (IIIII)			12.5	10.0	21.0	20.0	04.0	70.7	31.0	
	_	_	FSB03*	FSB04*	FSB05*	FSB06*	FSB07*	FSB08*	FSB09*	
BLACK	-	_	73503	F3B04	F3B03	F3B00	13001	F3B00	F3B09	
		/		1		7				
				1/	/					
			1							
BLACK	-	-/	FSH03*	FSH04*	FSH05*	FSH06*	FSH07*	FSH08*	FSH09*	
		/	\wedge		(
		/								
DI 401		/	Ботоот	F0T0.4*	FOTOE	FOTO:	F0T07*	FOTOO:	F0T00*	
BLACK	-		FST03*	FST04*	FST05*	FST06*	FST07*	FST08*	FST09*	
INSIDE DIAMETER (mm)		3.0	5.0	8.0						
COIL LENGTHS (m)		20	20	10						
	KSI	U00320 P	KSU00520	KSU00810						
								_		

*add coil length to complete part number e.g. 10 metres of KSU 10mm is KSU0110





Stainless Steel Conduit System

CONNECTOR SELECTION

See pages 22-23 for suitable conduits

BRITISH CONDUIT SIZE (mm) 10 12 16 20 25 32 40 Pack Quantity 1 1 1 1 1 1 1 1

Connector Type: KF-E Stainless

Connector Description: Fixed straight male, 316 stainless steel



Suitable Conduits IP Rating

KSU

Thread Size - Metric (mm) - - 16 20 25 32 40
Ordering Code - - **GFMS0303 GFMS0404 GFMS0505 GFMS0606 GFMS0707**

Ordering Code - - GFMS0303 GFMS0404 GFMS0505 GFMS0606 GFMS070.

BRITISH CONDUIT SIZE (mm) 16 16 20 25 32 40 50 63 3/8 **US TRADE SIZE (INCHES)** 3/8 1/2 3/4 1 $1^{1}/_{4}$ 11/2 2 **Pack Quantity** 1 1 1 1 1 1 1 1

Connector Type: KF-F Stainless

Connector Description: Fixed straight male, 316 stainless steel with nylon seal and heavy brass plated steel ferrule

For use in industrial and Zone 2 applications



Suitable Conduits IP Rating

Thread Size - Metric (mm) 16 20 20 25 32 40 50 63

LT-T Stainless Thread Size - NPT (inches) - $\frac{1}{2}$ $\frac{3}{4}$ 1 $\frac{11}{4}$ $\frac{11}{2}$ 2

Ordering Code - XQAS0304 XQAS0404 XQAS0505 XQAS0606 XQAS0707 XQAS0808 XQAS0909



Screenforce Conduit System

RANGE OVERVIEW

Screenforce brings together a comprehensive range of conduits for general to extreme applications all with EMC screening capability.

Conduits

Superscreen Types T and H

Superscreen offers three types of robust pliable conduits, ideal for static or limited movement installations, each has excellent EMC screening properties and a wide range of operating temperatures to suit specific requirements.

- Type T offers zero halogen content, low toxicity and Limited Fire Hazard properties.
- Type H provides chemical and oil resistance

Superscreen conduits are constructed from a double layer of coated steel with a Kraft paper inner and either a Type T or H outer cover respectively.

Screenflex 3, 5 and 6

Screenflex offers four types of flexible conduit in a range of materials suitable for static or continually moving or vibrating installations.

 Screenflex 3 is an overbraided non-metallic nylon conduit providing EMC screening and additional external protection against abrasion and vandalism.



- Screenflex 5 offers a tinned copper overbraided non-metallic conduit extruded from PEEK, a high specification polymer with excellent all round properties, especially in Limited Fire Hazard applications. This product provides excellent EMC screening.
- Screenflex 6 is a stainless steel overbraided PEEK conduit for enhanced resistance to abrasion and exterior damage.

Connectors

A range of connectors for all the conduit types is available, each ensuring that the appropriate level of EMC screening is maintained.





CONDUIT SELECTION See page 28 for suitable connectors*

		Temp. Rating	Flame Propogation	Special Characteristics	Approvals
	Superscreen Type T Pliable Covered metallic	-25°C to +90°C	Flame dies in 30 seconds after ignition source is removed	EMC Screening level: 94dB at 1MHz with C12, 106dB at 1MHz with C18	LUL Fully Compliant. MOD NES 518:Issue 3, DEF STAN 61-12 (Part 31) Issue 1
	Superscreen Type H Pliable Covered metallic	-50°C to +130°C	Flame dies in 30 seconds after ignition source is removed	EMC Screening level: 94dB at 1MHz with C12, 106dB at 1MHz with C18	
1	Screenflex 3 Flexible Overbraided nylon	Static -40°C to +120°C Flexing -5°C to +120°C	Halogen free UL94 V ₀ Flame dies in less than 30 seconds after 3 applications and ignition source removed	EMC Screening level: 60dB at 1MHz	
	Screenflex 5 Flexible Tinned copper overbraided PEEK	Static -60°C to +260°C Flexing -45°C to +260°C	Halogen free UL94 V ₀ Flame dies in less than 30 seconds after ignition source removed	EMC Screening level: 98dB at 1MHz	LUL Fully Compliant (Class 1)
	Screenflex 6 Flexible Stainless steel overbraided PEEK	Static -60°C to +260°C Flexing -45°C to +260°C	Halogen free UL94 V ₀ Flame dies in less than 30 seconds after ignition source removed	EMC Screening level: 60dB at 1MHz	LUL Fully Compliant (Class 1)
	KEBT Ultra Flexible Stainless Steel overbraided LFH KEBT Conduit	-25°C to +90°C	Flame dies in 30 seconds after ignition source is removed	Limited Fire Hazard EMC Screening Level 65dB at 1MHz	

Note: C12 connectors on page 20 are suitable for Superscreen conduits.





BRITISH CONDUIT SIZE (mm)	16	20	2:	5	32	40	50	63
INSIDE DIAMETER (mm)	11.6	14.6	20	.4	26.7	32.8	45.3	56.3
COIL LENGTHS (m)	10/30	10/30	10/	30	10/20	10/20	10/20	10/20
Colour								
BLACK	PHT03*	PHT04	* PHT	05* F	PHT06*	PHT07*	PHT08*	PHT09*
GREY	PHGT03*	PHGT04	1* PHG	T05* PI	HGT06*	PHGT07*	PHGT08*	PHGT09*
BLACK	PHH03*	PHH04	* PHH	05* P	PHH06*	PHH07*	PHH08*	PHH09*
PITCH (T=fine, G=coarse)	т	Т Т	7 т		Т	G	_	_
INSIDE DIAMETER (mm)	11.5	16.1	/ 22	.3	28.4	34.6	-	-
SELF	EBGN03*	EBGN04	4* EBGI	N05* FF	3GN06*	EBGN07*	_	_
	LBGITOO	LBano			Jango			
PITCH (T=fine, G=coarse)	Т	/ т	// 0	· /	G	-	-	-
COIL LENGTHS (m)	25	25	2	5	25	-	-	-
INSIDE DIAMETER (mm)	11.7	16.6	21	.7	27.7	-	-	-
SELF	ECBM03*	ECBM0	4* ECBI	И05* EC	CBM06*	-	-	-
	/	/_	\					
SELF	EBBM03*	EBBM0	4* EBBI	/105* EE	BBM06*	-	-	-
		/						
BRITISH CONDUIT SIZE (mm)	10	12	16	20	25	32	40	50
COIL LENGTHS (m)	25	25	25	25	25	10	10	10
INSIDE DIAMETER (mm)	10.0	14.0	17.5	21.5	26.0	34.0	43.6	56.0
SELF	KEBTSS01	KEBTSS02	KEBTSS03	KEBTSS04	KEBTSS05	KEBTSS06	KEBTSS07	KEBTSS08

^{*} add coil length to complete part number e.g 10 metres of Superscreen Type T 20mm in black = PHT0410





Screenforce Conduit System

CONNECTOR SELECTION

See pages 26-27 for suitable conduits

BRITISH CONDUIT SIZE (mm) 16 20 25 32 40 50 63
Pack Quantity 25 25 10 5 5 2 1

Connector Type: C18 - Male

Connector Description: Fixed straight male, brass Suitable Conduits: Superscreen Types T, H, S

IP Rating: IP66 & 67

Thread Size - Metric (mm) 16 20 25 32 40 50 63

Ordering Code BGM0303 BGM0404 BGM0505 BGM0606 BGM0707 BGM0808 BGM0909

Connector Type: C18 - Female¹

Connector Description: Fixed straight female, brass

Thread Size - Metric (mm) 16 20 25 32 40 50 63

Ordering Code BTM0303 BTM0404 BTM0505 BTM0606 BTM0707 BTM0808 BTM0909

1C18 female connectors are also available with BSP thread types, please contact the Kopex Sales Office.

Connector Type: Screenflex PEEK - Fixed, straight male & Screenflex 3 - Straight Male*

Connector Description: Nickel plated brass

Suitable Conduits: Screenflex 3, Screenflex 5, Screenflex 6

IP Rating: IP66 & 67

Thread Size - Metric (mm) 16 20 25 32 40 Ordering Code YBQM0303 YBQM0404 YBQM0505 YBQM0606 YBQM0707 -

Connector Type: Screenflex PEEK & Screenflex 3 - Swivel, straight male

50 Thread Size - Metric (mm) 16 20 25 32 40 Ordering Code YBSM0303 YBSM0404 YBSM0505 YBSM0606 YBSM0707 YBSM0808 Thread Size - PG 29 36 11 16 21 29

 Inread Size - PG
 11
 16
 21
 29
 29
 36

 Ordering Code
 YBSP0303
 YBSP0405
 YBSP0506
 YBSP0607
 YBSM0707
 YBSM0808

Connector Type: KEBTSS Fixed Straight Male

Connector Description: Nickel plated brass

Suitable Conduits: KEBTSS IP Rating: IP54

Thread Size - Metric (mm) 10 12 16 20 25 32 40 50

Ordering Code GAMB01 GAMB02 GAMB03 GAMB04 GAMB05 GAMB06 GAMB07 GAMB08

Connector Type: KEBTSS Swivel Straight Male

Thread Size - Metric (mm) 16 20 25 32 - - -

Ordering Code GBMB01 GBMB02 GBMB03 GBMB04 GBMB05 GBMB06 GBMB07 GBMB08

Please note pack quantities are for C18 range only, please call the Kopex Sales Office for pack quantities of Screenflex connectors.

KOPEX



Quick Click Non-Metallic Conduit System

RANGE OVERVIEW

Quick Click is a comprehensive range of non-metallic conduit and fittings.

The Quick Click design of connector is easy to use, developed for simple and fast hand assembly, with a secure connection and excellent pull-off resistance.

New to the range is PEEK, a high specification nonmetallic conduit ideal for the most demanding applications. PEEK conduit has its own specialised connector.

The wide range of connectors and conduit types ensures Quick Click has something to offer every application.

Connectors

Quick Click, fast fitting type connectors in male and female, fixed and swivel formats are available for all the conduit types except PEEK and Jumboflex which use their own specialised connector types.



Conduits

Nylon Conduits

Available in Economy, Standard, Premium, Standard–LFH, Extra Flexible and Heavy duty formats. The broad range offers product suitable for nearly all installations with options to allow for even the most cost conscious. For a braided nylon conduit please refer to Screenflex 3 in the Screenforce range, or the Screenflex 1 Internal Braid for additional EMC screening.

Standard Duty Polypropylene

A polypropylene alternative to economy duty nylon for light duty installations.

Jumboflex

Large diameter nylon conduit for enhanced cable capacity.

PEEK

A specialist non-metallic conduit made from PEEK, with excellent characteristics including a very wide operating temperature and LFH properties. Braided versions of the PEEK conduit can be found in the Screenforce section.





CONDUIT SELECTION
See page 34 - 38 for suitable connectors

	Temp. Rating	Flame Propogation	Special Characteristics	Approvals
Economy Duty Nylon 6	Static -40°C to +120°C Flexing -5°C to +120°C	Halogen free UL94-HB and UL224 Flame dies in less than 30 seconds after ignition source removed	Commercial grade, thin wall, corrugated, nylon 6.	UR component recognised (Rated at 105°C)
Standard Duty Nylon 6	Static -40°C to +120°C Flexing -5°C to +120°C	Halogen free UL94 V ₂ and UL224. Flame dies in less than 30 seconds after ignition source removed	Regular,thin wall, corrugated, enhanced Nylon 6	UR component recognised (Rated at 105°C)
Premium Duty Nylon 6	Static -40°C to +120°C Flexing -5°C to +120°C	Halogen free UL94 V ₀ and UL224. Flame dies in less than 30 seconds after ignition source removed	Medium wall, corrugated, enhanced Nylon 6	UR component recognised (Rated at 105°C)
Standard Duty LFH	Static -40°C to +120°C Flexing -5°C to 120°C	Halogen free UL94 V ₀ and UL224. Flame dies in less than 30 seconds after ignition source removed	Regular thin wall, corrugated, LFH Nylon	UR component recognised (Rated at 105°C) LUL compliant for horizontal use provided no more than 2 conduits are laid side by side
Extra Flexible Nylon 11	Static -50°C to +120°C Flexing -25°C to +120°C	Halogen free UL94 V ₂ and UL224. Flame dies in less than 30 seconds after 3 applications and ignition source removed	Thin wall, corrugated, Nylon 11. Reverse bending greater than 10,000 cycles when continually rotating at 30rev/min.	UR component recognised (Rated at 105°C)
Heavy Duty Nylon 6	Static -40°C to +120°C Flexing -5°C to +120°C	Halogen free UL94 V ₀ and UL224. Flame dies in less than 30 seconds after 3 applications and ignition source removed	Thick wall, corrugated, Nylon 6	UR component recognised (Rated at 105°C)
				_





COIL LENGTHS (m) 10/30/50	BRITISH CONDUIT SIZE (mm) PITCH (T=fine, G=coarse)	10 T	12 T	16 T	20 T	25 T	32 T	40 G	50 G
Colour BLACK		_	_	10/30/50	10/30/50	10/30/50	10/30/50	10/30/50	10/30/50
BLACK EEB03' EEB04' EEB05' EEB06' EEB06' EEB00' EEB00' EEB08' GREY EEG03' EEG04' EEG05' EEG06' EEG00' EEG00' EEG00' EEG00' EEG00' COIL LENGTHS (m) 10/30/50/50/50/50/50/50/50/50/50/50/50/50/50	INSIDE DIAMETER (mm)	-	-	11.5	16.1	22.3	28.4	35.2	46.9
COIL LENGTHS (m) 10/30/50 ERB08* ERB08* ERB08* ERB09* E		-	-	EEB03*	EEB04*	EEB05*	EEB06*	EEB07*	EEB08*
INSIDE DIAMETER (mm) 6.5 9.6 11.5 16.5 22.3 28.4 35.2 46.5 BLACK ERB01* ERB02* ERB03* ERB04* ERB05* ERB06* ERB07* ERB08* GREY ERG01* ERG02* ERG03* ERG04* ERG05* ERG06* ERG07* ERG08* COIL LENGTHS (m) 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 INSIDE DIAMETER (mm) 6.5 9.6 11.5 16.1 22.3 28.4 34.6 46.0 BLACK EPB01* EPB02* EPB03* EPB04* EPB05* EPB06* EPB07* EPB08* GREY EPG01* EPG02* EPG03* EPG04* EPG05* EPG06* EPG07* EPG08* COIL LENGTHS (m) - 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 INSIDE DIAMETER (mm) - 9.4 11.7 16.6 21.7 27.7 35.1 46.6 BLACK - EABL02* EABL03* EABL04* EABL05* EABL06* EABL07* EABL08* GREY - EAGL02* EAGL03* EAGL04* EAGL05* EAGL06* EAGL07* EAGL08* PITCH (T=fine, G=coarse) - T T G G BLACK - EKB03* EKB04* EKB05* EKG06* PITCH (T=fine, G=coarse) EKG03* EKG04* EKG05* EKG06* PITCH (T=fine, G=coarse) G G G G COIL LENGTHS (m) 10/30 10/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) 11/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm)	GREY	-	-	EEG03*	EEG04*	EEG05*	EEG06*	EEG07*	EEG08*
INSIDE DIAMETER (mm) 6.5 9.6 11.5 16.5 22.3 28.4 35.2 46.5 BLACK ERB01* ERB02* ERB03* ERB04* ERB05* ERB06* ERB07* ERB08* GREY ERG01* ERG02* ERG03* ERG04* ERG05* ERG06* ERG07* ERG08* COIL LENGTHS (m) 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 INSIDE DIAMETER (mm) 6.5 9.6 11.5 16.1 22.3 28.4 34.6 46.0 BLACK EPB01* EPB02* EPB03* EPB04* EPB05* EPB06* EPB07* EPB08* GREY EPG01* EPG02* EPG03* EPG04* EPG05* EPG06* EPG07* EPG08* COIL LENGTHS (m) - 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 INSIDE DIAMETER (mm) - 9.4 11.7 16.6 21.7 27.7 35.1 46.6 BLACK - EABL02* EABL03* EABL04* EABL05* EABL06* EABL07* EABL08* GREY - EAGL02* EAGL03* EAGL04* EAGL05* EAGL06* EAGL07* EAGL08* PITCH (T=fine, G=coarse) - T T G G BLACK - EKB03* EKB04* EKB05* EKG06* PITCH (T=fine, G=coarse) EKG03* EKG04* EKG05* EKG06* PITCH (T=fine, G=coarse) G G G G COIL LENGTHS (m) 10/30 10/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) 11/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm) - - 11/30 11/30 10/30 10/30 INSIDE DIAMETER (mm)									
BLACK ERB01* ERB02* ERB03* ERB04* ERB05* ERB06* ERB07* ERB08* GREY ERG01* ERG02* ERG03* ERG04* ERG05* ERG06* ERG07* ERG08* COIL LENGTHS (m) 10/30/50/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50/50/50/50/50/50/50/50/50/50/50/50/50									
COIL LENGTHS (m) 10/30/50/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50/50 10/30/50/50 10/30/50/50/50/50/50/50/50/50/50/50/50/50/50	INSIDE DIAMETER (mm)	6.5	9.6	11.5	16.5	22.3	28.4	35.2	46.5
COIL LENGTHS (m) 10/30/50 EPB08* GREY EPG01* EPG02* EPG03* EPG04* EPG05* EPG06* EPG07* EPG08* COIL LENGTHS (m) - 10/30/50/50/50/50/50/50/50/50/50/50/50/50/50	BLACK	ERB01*	ERB02*	ERB03*	ERB04*	ERB05*	ERB06*	ERB07*	ERB08*
INSIDE DIAMETER (mm) 6.5 9.6 11.5 16.1 22.3 28.4 34.6 46.0 BLACK EPB01* EPB02* EPB03* EPB04* EPB05* EPB06* EPB07* EPB08* GREY EPG01* EPG02* EPG03* EPG04* EPG05* EPG06* EPG07* EPG08* COIL LENGTHS (m)	GREY	ERG01*	ERG02*	ERG03*	ERG04*	ERG05*	ERG06*	ERG07*	ERG08*
INSIDE DIAMETER (mm) 6.5 9.6 11.5 16.1 22.3 28.4 34.6 46.0 BLACK EPB01* EPB02* EPB03* EPB04* EPB05* EPB06* EPB07* EPB08* GREY EPG01* EPG02* EPG03* EPG04* EPG05* EPG06* EPG07* EPG08* COIL LENGTHS (m)	COIL LENGTUS (m)	10/20/50	10/20/50	10/20/50	10/20/50	10/20/50	10/20/50	10/20/50	10/20/50
BLACK EPB01* EPB02* EPB03* EPB04* EPB05* EPB06* EPB06* EPB07* EPB08* GREY EPG01* EPG02* EPG03* EPG04* EPG05* EPG06* EPG07* EPG08* COIL LENGTHS (m) - 10/30/50/50/50/50/50/50/50/50/50/50/50/50/50		-/-			/				
COIL LENGTHS (m)	MOIDE DIAMETER (mm)	0.0	\ \	11.0	10.1	22.0	20.4	04.0	40.0
COIL LENGTHS (m) - 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30/50 10/30	BLACK	EPB01*	EPB02*	EPB03*	EPB04*	EPB05*	EPB06*	EPB07*	EPB08*
INSIDE DIAMETER (mm)	GREY	EPG01*	EPG02*	EPG03*	EPG04*	EPG05*	EPG06*	EPG07*	EPG08*
BLACK - EABLO2* EABLO3* EABLO4* EABLO5* EABLO6* EABLO7* EABLO8* GREY - EAGLO2* EAGLO3* EAGLO4* EAGLO5* EAGLO6* EAGLO7* EAGLO8* PITCH (T=fine, G=coarse) - T T T G G G BLACK - EKBO3* EKBO4* EKBO5* EKBO6* GREY - EKGO3* EKGO4* EKGO5* EKGO6* PITCH (T=fine, G=coarse) G G G G G COIL LENGTHS (m) 10/30 10/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) 14.5 21.3 26.8 34.6 46.0	COIL LENGTHS (m)	-	10/30/50	10/30/50	10/30/50	10/30/50	10/30/50	10/30	10/30
PITCH (T=fine, G=coarse) EKB03* EKB04* EKB05* EKB06* EAGL07* EAGL08* BLACK EKB03* EKB04* EKB05* EKB06* GREY EKG03* EKG04* EKG05* EKG06* PITCH (T=fine, G=coarse) G G G G COIL LENGTHS (m) 10/30 10/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) 14.5 21.3 26.8 34.6 46.0	INSIDE DIAMETER (mm)	-	9.4	11.7	16.6	21.7	27.7	35.1	46.6
PITCH (T=fine, G=coarse) T T G G BLACK EKB03* EKB04* EKB05* EKB06* GREY EKG03* EKG04* EKG05* EKG06* PITCH (T=fine, G=coarse) G G G G COIL LENGTHS (m) 10/30 10/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) 14.5 21.3 26.8 34.6 46.0	BLACK	-	EABL02*	EABL03*	EABL04*	EABL05*	EABL06*	EABL07*	EABL08*
BLACK EKB03* EKB04* EKB05* EKB06* GREY EKG03* EKG04* EKG05* EKG06* PITCH (T=fine, G=coarse) G G G G COIL LENGTHS (m) 10/30 10/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) 14.5 21.3 26.8 34.6 46.0	GREY	-	EAGL02*	EAGL03*	EAGL04*	EAGL05*	EAGL06*	EAGL07*	EAGL08*
PITCH (T=fine, G=coarse) G G G G G COIL LENGTHS (m) 10/30 10/30 10/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) 14.5 21.3 26.8 34.6 46.0	PITCH (T=fine, G=coarse)	-	-	Т	Т	G	G	-	-
PITCH (T=fine, G=coarse) G G G G G COIL LENGTHS (m) 10/30 10/30 10/30 10/30 10/30 INSIDE DIAMETER (mm) 14.5 21.3 26.8 34.6 46.0	BLACK	-	-	EKB03*	EKB04*	EKB05*	EKB06*	-	-
COIL LENGTHS (m) 10/30 10/	GREY	-	-	EKG03*	EKG04*	EKG05*	EKG06*	-	
INSIDE DIAMETER (mm) 14.5 21.3 26.8 34.6 46.0	PITCH (T=fine, G=coarse)	-	-	-	G	G	G	G	G
	COIL LENGTHS (m)	-	-	-	10/30	10/30	10/30	10/30	10/30
BLACK EVB04* EVB05* EVB06* EVB07* EVB08*	INSIDE DIAMETER (mm)	-	-	-	14.5	21.3	26.8	34.6	46.0
	BLACK	-	-	-	EVB04*	EVB05*	EVB06*	EVB07*	EVB08*

^{*} add coil length to complete part number e.g 10 metres of Standard Nylon 10mm in black is = ERB0110





CONDUIT SELECTIONSee page 34 - 38 for suitable connectors

	Temp. Rating	Flame Propogation	Special Characteristics	Approvals
Standard Duty Polypropylene	Static -20°C to +95°C Flexing -5°C to +95°C	Flame propogating	Regular, thin wall, corrugated, polypropylene	
Premium Duty Jumboflex Nylon 6	Static -40°C to +120°C Flexing -5°C to +120°C	Halogen free UL94 V ₀ and UL224. Flame dies in less than 30 seconds after ignition source removed	Medium wall, corrugated, Nylon 6	
PEEK Polyetherether- ketone (Special Order Only)	Static -60°C to +260°C Flexing -45°C to +260°C	Halogen free UL94 V ₀ Flame dies in less than 30 seconds after ignition source removed	Limited Fire Hazard Only use fitting YPQM – see page 38	LUL Fully Compliant (Class 1)





12	16	20	25	32	70	95
Т	Т	Т	т	Т	G	G
_	10/30	10/30	10/30	10/30	10	10
-	11.5	16.1	22.3	28.4	67.0	90.0
_	El C03*	El G0//*	EI G05*	El G06*	_	_
-	ELGOS	ELG04	ELGUS	ELGOO	-	-
-			-	-	EPG10*	EPG12*
	/	/-				
/		/ /				
/		//	/			
/	/					
/	т	Т	G	G	-	-
25	25	25	25	25	-	-
10.0	11.7	16.6	21.7	27.7	-	-
FLADOS	F1 (Doc:	EMBORE	EMPAS:	EL ADOC:		
/ EMB02*	EMB03*	EMB04*	EMB05*	EMB06*	-	-
	T	T T - 10/30 - 11.5 - ELG03*	T T T - 10/30 10/30 - 11.5 16.1 - ELG03* ELG04* T T T 25 25 25 10.0 11.7 16.6	T T T T G 25 25 25 25 25 10.0 11.7 16.6 21.7	T T T T G G G 25 25 25 25 25 10.0 11.7 16.6 21.7 27.7	T T T G G G - 25 25 25 25 25 25 10.0 11.7 16.6 21.7 27.7 -

^{*} add coil length to complete part number e.g. 10 metres of Jumboflex 70mm in grey is = EPG1010





Coarse Pitch (G) BLACK

Quick Click Non-Metallic Conduit System

CONNECTOR SELECTIONSee pages 30-33 for suitable conduits

	Connector Description	Suitable Conduits	IP Rating	Approvals	CONDUIT SIZE (mm) Pack Quantity
Quick Click Straight	Straight male, Nylon 6	Economy Duty Standard Duty Nylon Standard Duty LFH Standard Duty Polypropylene Premium Duty Extra Flexible Heavy duty) IP66	UR component recognised	Thread Size - Metric (mm) Fine Pitch (T) GREY Fine Pitch (T) BLACK Coarse Pitch (G) GREY Coarse Pitch (G) BLACK
	NZO				Thread Size - PG Fine Pitch (T) GREY Fine Pitch (T) BLACK Coarse Pitch (G) GREY Coarse Pitch (G) BLACK
Quick Click 90°	90° male, Nylon 6	Economy Duty Standard Duty Nylon Standard Duty LFH Standard Duty Polypropylene Premium Duty Extra Flexible Heavy duty) IP66	UR component recognised	Pack Quantity Thread Size - Metric (mm) Fine Pitch (T) GREY Fine Pitch (T) BLACK
					Coarse Pitch (G) GREY Coarse Pitch (G) BLACK Thread Size - PG Fine Pitch (T) GREY Fine Pitch (T) BLACK Coarse Pitch (G) GREY





10 10	12 25	16 25	16 25	20 25	20 25	25 10	32 5	40 5	50 2
-	12	16	20	20	-	25	32	-	-
-	YQM0202	YQM0303	YQM0304	YQM0404	-	YQM0505	YQM0606	-	-
-	YQMB0202	YQMB0303	YQMB0304	YQMB0404	-	YQMB0505	YQMB0606	-	-
-	-	-	-	YVM0404	-	YVM0505	YVM0606	-	-
-	-	-	-	YVMB0404	-	YVMB0505	YVMB0606	-	-
					7				
7	9	11	-	13.5	16	21	29	36	48
YQP0101	YQP0202	YQP0303	-	YQP0404	YQP0405	YQP0506	YQP0607	-	-
YQPB0101	YQPB0202	YQPB0303	-	YQPB0404	YQPB0405	YQPB0506	YQPB0607	-	-
				/	V				
-	-	-	- /	-		(-	-	YVP0708	YVP0810
-	-	-	- /	- /	_	YVPB0506	YVPB0607	YVPB0708	YVPB0810
10	10	10	10	10	10	10	5	5	2
-	12	16	20	20	-	25	32	-	-
-	YXM0202	YXM0303	YXM0304	YXM0404	-	YXM0505	YXM0606	_	-
-	YXMB0202	YXMB0303	YXMB0304	YXMB0404	-	YXMB0505	YXMB0606		-
-	-	-	-	YWM0404	-	YWM0505	YWM0606	-	-
-	-	-	-	YWMB0404	-	YWMB0505	YWMB0606	-	-
7	9	11	-	13.5	16	21	29	36	48
YXP0101	YXP0202	YXP0303	-	YXP0404	YXP0405	YXP0506	YXP0607	-	-
YXPB0101	YXPB0202	YXPB0303	-	YXPB0404	YXPB0405	YXPB0506	YXPB0607	-	-
-	-	-	-	-	-	-	-	YWP0708	YWP0810
-	-	-	-	-	-	YWPB0506	YWPB0607	YWPB0708	YWPB0810





CONNECTOR SELECTIONSee pages 30-33 for suitable conduits

		Connector Description	Suitable Conduits &	IP Rating	Approvals
Male Swivel		Male Swivel connector Nylon and nickel / brass	Economy Duty Standard Duty Nylon Standard Duty LFH Standard Duty Polypropylene Premium Duty Extra Flexible	IP66	UR component recognised
Female Swivel		Female Swivel connector Nylon and Nickel / Brass UNEF - Nylon and anodised aluminium	Economy Duty Standard Duty Nylon Standard Duty LFH Standard Duty Polypropylene Premium Duty Extra Flexible	IP66	UR component recognised
ACCESSORIES T - Piece	990	T piece with inspection cover 3 x conduit size selected Nylon	Economy Duty Standard Duty Nylon Standard Duty LFH Standard Duty Polypropylene Premium Duty Extra Flexible	P66	
Reducing Cap Nut & Seal		For use with T-Piece Nylon - Neoprene	Economy Duty Standard Duty Nylon Standard Duty LFH Standard Duty Polypropylene Premium Duty Extra Flexible	P66	
Combined Conduit Clip	0	Nylon	All Non-metallic	n/a	
P Clip		Galvanised Steel / PVC	All Non-metallic	n/a	





Quick Click Non-Metallic Conduit System

CONDUIT SIZE (mm) Pack Quantity	16 10		16 10	20 10		20 10	25 10		25 10
Thread Size - Metric (mm)	-	V0	16	20		-	25		-
Fine Pitch (T) GREY	-	YS	M0303	YSM0404		-	YSM0505		-
Thread Size - PG	-		11	16		-	21		-
Fine Pitch GREY	-	YS	P0303	YSP0405		-	YSP0506		-
Thread Size - Metric (mm)	-		16	20		-	25		-
Fine Pitch (T) GREY	-	YS	ГМ0303	YSTM0404	ı	-	YSTM0505		-
		/	/	/					
Thread Size - PG	-	/	11	16		-	21		-
Fine Pitch (T) GREY	-	YS.	TP0303	YSTP0405			YSTP0506		-
Thread Size - UNEF	7/8" - 20	15/	16" - 20	1.3/16" - 18	3 1.3/	′8" - 18	1.3/16" - 18	3 1.3/3	8" - 18
Fine Pitch (T) BLACK	YSTUB0314	/	UB0315	YSTUB041	/	UB0422	YSTUB0519		JB0522
Tille Titoli (1) BEAGIX		/	٨						
		/	$\overline{}$		<u> </u>				
CONDUIT SIZE (mm)	10	12	16	20	20	25	32	40	50
Pack Quantity	10	10	10	10		10	5	-	-
E' - D'I-I- (T) DI AOI(VANDO4 04 V	NAID0000	VANDOGGO	VO/NIFI0404		MAIDOEOE	MAIDOCOC		
Fine Pitch (T) BLACK	YYNB0101 Y	TINDUZUZ	TTNDUSUS	1 1 N D U 4 U 4	-	CUCUCINTY	YYNB0606	-	-
Pack Quantity	-	10	10	10	10	10	5		-
Conduit Size Reduction	-	12-10	16 - 12	20 - 12	20 - 16	25 - 12	32 - 20	-	
Fine Pitch (T) BLACK	- Y	RNB0201	YRNB0302	YRNB0402	YRNB0403	YRNB0502	YRNB0604	-	-
Pack Quantity	10	10	10	10	-	10	10	5	5
GREY	YCC01	YCC02	YCC03	YCC04	_	YCC05	YCC06	YCC07	YCC08
BLACK		YCCB02	YCCB03	YCCB04	-	YCCB05	YCCB06	YCCB07	YCCB08
Pack Quantity	10	10	10	10	-	10	10	5	5
BLACK	YCNAC01	CNAC02	YCNAC03	YCNAC04	-	YCNAC05	YCNAC06	YCNAC07	YCNAC08





Quick Click Non-Metallic Conduit System

CONNECTOR SELECTION

See pages 30-33 for suitable conduits

BRITISH CONDUIT SIZE (mm) 12 16 20 25 32 70 95 Pack Quantity 10 10 10 5 2 1 1

Connector Type: Jumboflex Straight Connector

Connector Description: Straight flange fitting for bulkhead, Nylon 6.6



Suitable Conduits & IP Rating

Jumboflex IP40 Ordering Code - GREY - - - - - YVN1010 YVN1212

Connector Type: Jumboflex 90° Bulkhead Connector

Connector Description: 90° flange fitting for bulkhead, Nylon 6.6



Suitable Conduits & IP Rating

 Jumboflex IP40
 Ordering Code - GREY
 YWN1010
 YWN1212

Connector Type: Unbraided PEEK Straight male

Connector Description: Fixed straight male, nickel plated brass



Suitable Conduits & IP Rating

Unbraided PEEK IP66 & IP67 Thread Size - Metric (mm) 16 16 20 25 32 -





RANGE OVERVIEW

The Electroflex range includes three broad nonmetallic conduit types; 150 Series, 160 series and 170 series, providing a comprehensive package of cable protection for a diverse range of applications.

150 Series

A high quality spiral reinforced PVC conduit with fittings that can be assembled by hand. Its all-insulated construction offers complete protection to cables while a smooth bore facilitates fast cable insertion. 150 series is extremely flexible and can be coiled on its' own diameter without effort or damage to the conduit, neither is there a reduction in its cross section therefore protecting cables at all times.

150 Series is a UL recognised component, will not support combustion and achieves IP65 with relevant connectors. It is available in three versions:

• 150 Standard PVC in Black

160 Series

160 Series is a reinforced PVC conduit with a smooth outer surface ideal for use in hygiene sensitive environments where there can be no traps for dirt, and an IP65 rating makes it suitable for hose down applications. 160 Series also provides an improved level of abrasion and crush resistance over 150 Series yet is still highly flexible and suitable for repeated flexing.

160 Series is available in black.



170 Series Rhino

170 Series Rhino PVC conduit is a liquid tight system to IP67 with a smooth outer surface. It is extremely tough but is easy to work with and can be hand cut with a sharp knife.





CONDUIT SELECTION
See page 42-44 for suitable connectors

	Temp. Rating	Flame Propogation	Special Characteristics	Approvals
150 Standard Flexible PVC	-20°C to +60°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V_0	Flame retardant PVC	
160 Standard Flexible PVC	-20°C to +60°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀		
171 Rhino	-20°C to +90°C	Flame dies in 30 seconds after ignition source is removed. Rated UL94 V ₀	Flame retardant PVC	





BRITISH CONDUIT SIZE (mm) INSIDE DIA. (mm)	8 6.0	10 8.0	12 10.0	16 12.0	20 16.0	25 22.0	32 28.0	40 35.0	50 40.0	63 50.0
COIL LENGTHS (m)	10/20	10/30	10/30	10/30	10/30	10/30	10/30	10/30	10/30	10/30
Colour BLACK	EF150006*	EF150008*	EF150010*	EF150012*	EF150016*	EF150022*	EF150028*	EF150035*	EF150040*	EF150050*
BLACK	-	-	EF160010x30'	EF160012*	EF160016*	EF160022*	EF160028*	EF160035*	EF160040*	EF160050*
INSIDE DIA. (mm)	-	-	-/	12.7	16.2	21.3	27.0	35.7	40.6	51.9
GREY	-	-	/-	EF171012*	EF171016*	EF171021*	EF171026*	EF171035*	EF171040*	EF171050*

^{*} add 'x' and coil length to complete part number e.g 10 metres of 150 Series 10mm in black is = EF150008x10

¹ EF160010x30 only available in 30 metre coils





CONNECTOR SELECTION
See pages 40 - 41 for suitable conduits

		Connector Description	Suitable Conduits	IP Rating	BRITISH CONDUIT SIZE (mm) Pack Quantity
150 Series Straight Connector	All	Straight male, multi- part Flame retardant,	150 158	IP65	Thread Size - Metric (mm) Ordering Code
	- Colo	UL94-V ₂			Thread Size - PG
		Black polypropylene			Ordering Code
					Thread Size - Gas (in.)
				Y	Ordering Code
150 Series 90° Elbow Connector		90° male elbow, multi-part Flame retardant,	150	IP65	Pack Quantity
		UL94-V ₂		55	Thread Size - Metric (mm)
		Black polypropylene			Ordering Code
					Thread Size - PG
					Ordering Code
					Thread Size - Gas (in.)
					Ordering Code
160 Series Straight Connector	GAL.	Straight male, multi- part	160	IP65	Pack Quantity
Connector		Flame retardant,			Thread Size - Metric (mm)
		UL94-V ₂ Black polypropylene			Ordering Code
160 Series		- الم مام م			Pack Quantity
90° Elbow Connector		90° male elbow, multi-part	160	IP65	I don edurate
3111100101		Flame retardant,			Thread Size - Metric (mm)
	-	UL94-V ₂ Black polypropylene			Ordering Code
160 SERIES ACCE	0000150				

160 SERIES ACCESSORIES

To use any non-metric 150 Series connector with 160 Series conduit simply replace the included black sealing ring with the Green 746 Series

746 Series Sealing Ring



Flame retardant, UL94-V₂ Green polypropylene 160 **IP65**

BRITISH CONDUIT SIZE (mm)

Pack Quantity

Ordering Code





8 25	10 25	12 25	16 25	16 25	16 25	20 25	20 25	25 10	25 10	32 5	40 5	40 5	50 2	63 1
16	-	12	16	-	-	20	-	25	-	32	40	-	50	63
EF952006	-	EF952010	EF952012	-	-	EF952016	-	EF952022	-	EF952028	EF952035	-	EF952040	EF952050
-	7	7	9	11	13.5	11	16	16	21	29	29	36	42	48
-	EF954008	EF954010	EF954012	EF954013	EF954014	EF954016	EF954018	EF954022	EF954023	EF954029	EF954035	EF954036	EF954040	EF954050
_	1/4	1/4	3/ ₈	_	_	1/2	-	3/4	-	1	1 ¹ /4	-	1 ¹ /2	2
-	EF950008	EF950010	, -	-	-	EF950016	-	EF950022	-	EF950028		-	EF950040	EF950050
_	_	10	10	10	10	10	10	10	10	5	_	5	_	
-	-	10	10	10	10		10	10	10	3	-	3	-	-
-	-	12	16	-	-	20	- /	25	-	32	40	-	-	-
-	-	EF972010	EF972012	-	-	EF972016	-1/	EF972022	-/	EF972028	EF972035	-	-	-
-	_	7	9	11	13.5	11	16	16	21	29	_	36	-	-
-	-			EF974013							-	EF974036	-	-
		1/4	³ /8			17.		3/ ₄				. 17.		
-	- -	'/4 EF970010		- -	/	1/ ₂ EF970016	/ \	©/4 EF970022		1 EF970028	- -	1 ¹ / ₄ EF970035	- -	-
			0.00.1		/	7						0.000		
-	-	25	-	25	-	25	-	10	5	1	5	-	2	1
_	_	12	_	16	_	20	-	25	_	32	40	-	50	63
-	-	EF952011	-	EF952013	-	EF952017	-	EF952023		EF952029		_	EF952041	EF952051
		40		40		40		40		_		-		
-	-	10	-	10	-	10	-	10	-	5	-	5	-	
-	-	12	-	16	-	20	-	25	-	32		40	-	-
-	-	EF972011	-	EF972013	-	EF972017	-	EF972023	-	EF972029	-	EF972036	-	-

es sealing ring of the appropriate size.

12	16	20	25	32	40	50	63
25	25	25	10	5	5	2	1
EF746010	EF746012	EF746016	EF746022	EF746028	EF746035	EF746040	EF746050





CONNECTOR SELECTION
See pages 40 - 41 for suitable conduits

BRITISH CONDUIT SIZE (mm)	16	16	16	20	20	20	25	25	32
US TRADE SIZE (INCHES)	³ /8	3/8	³ /8	1/2	1/2	1/2	3/4	3/4	1
Pack Quantity	25	25	25	25	25	25	10	10	5

Connector Type: 170 Series Straight Connector Connector Description: Straight male, multi-part PVC

Approvals: UR component recognised

Suitable Conduits: 171

IP rating with Suitable Conduits: IP67



Thread Size - Metric (mm)	16	-		20	-	-	-	25	32
Ordering Code	EF942012	I	_	EF942016	-	-	-	EF942022	EF942026
Thread Size - PG	9	11	13.5	11	13.5	16	16	21	21
Ordering Code	EF944012	EF944013	EF944014	EF944016	EF944017	EF944018	EF944021	EF944022	EF944026

Note: For larger sizes please use the KF-F connectors on page 10.

ACCESSORIES

Accessory Type: P Clip

Accessory Description: Nylon 6.6, black conduit support P Clips are the ideal way to fix and support conduit lengths

BRITISH CONDUIT SIZE (mm) 16 20 25 32





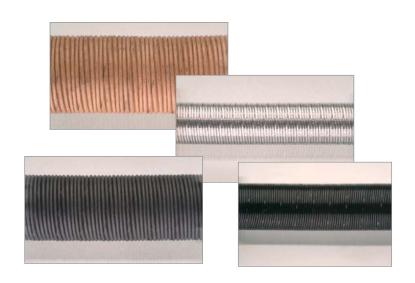
RANGE OVERVIEW

Ducting

Kopex has used its experience in manufacturing, design and of the OEM and installation markets to create a range of ducting products to compliment its conduit systems.

Kopex Ducting is easy to install and suitable for fitting and cutting by hand. All ductings use multi-layered and overlapping materials to ensure the profile does not unravel when cut.

Whether it is for heating, ventilation, or extraction, Kopex Ducting has evolved to provide the ideal solution for a range of environments and applications. The Ducting range uses quality materials and high standards of manufacture and design to provide a range that can meet most combinations of weight, appearance, operating temperature, thermal insulation and pliability.







DUCTING SELECTION

					l					l	l				ı
Ducting	_		Intern	al Diameter (mm) Reel Length (m)	13 30	16 30	19 30	22 30	24 30	25 30	30 30	32 30	38 30	40 30	
Туре	9	Colour	Temp.(°C)	neer Length (m)	00	00	00	00	00	00	00			00	
Ducting	g for domestic and in	dustrial ventila	ition												
DTT	Double layer aluminium	Pale grey aluminium	250°C	Ordering Suffix				022		025		032	038		
DAA	Double layer aluminium	Plain aluminium	250°C	Ordering Suffix											
Ducting	g for general purpose	air conditionir	ng												
DAKKA	Inner and outer layer of aluminium interleaved with doub	Plain aluminium ole	150°C	Ordering Suffix											
	layer of Kraft paper														
DTKT	Inner and outer layer of aluminium interleaved with sing layer of Kraft paper	Pale grey aluminium le	150°C	Ordering Suffix											
DAKA	Inner and outer	Plain	150°C	Ordering Suffix											
	layer of aluminium interleaved with sing layer of Kraft paper	aluminium le		ŭ											
Ducting	g for heating and ven														
DKAK	Outer layer of Kraft paper interleaved with aluminium, clea- lined with Kraft pape		100°C	Ordering Suffix	013	016	019	022		025		032	038		
	iiilea witi i tait pape														
DKAKK	Outer layer of Kraft	Plain Kraft	100°C	Ordering Suffix											
	paper interleaved with aluminium, lined with two layers of Kraft paper	paper													
Lightwe	eight ducting							S							
DUHT	lacquered aluminium, heat sealed with Kraft	Black lacquered aluminium	150°C	Ordering Suffix								032		040	
	paper, lined with clear lacquered aluminium														
Special	list ducting ideal for		olications												
DBAB	Inner and outer layer		100°C	Ordering Suffix								032	038		
	of black Kraft paper interleaved with single layer of aluminium	paper													
	list exhaust ducting														
DS*	Single layer stainless steel	Plain stainless steel	350°C	Ordering Suffix				022	024		030		038	040	
						1									

Ordering Guide

- Select ducting type e.g. DTT
- Select size and add ordering suffix e.g. 22mm = DTT022
- Add reel length to complete ordering code = DTT02230

All ducting is made to order and minimum order quantities will apply.

Reel lengths and sizes given are for standard produc. For non-standard requirements please call the Kopex Sales Office.

*Please note DS ducting only available in 20m coil lengths.





45	50	51	55	60	64	70	75	76	80	82	83	89	100	102	127	150	152
30	30	30	30	30	20	20	20	20	20	20	20	20	20	20	20	20	20
045		051		060													
					064			076						102	127		
					064			076			083	089		102	127		152
0.45		054															
045		051															
								,		-,							
				060													
							/			/			_				
							/					/					
045		051		060	064			076			083	089					
							/		1								
							/-										
						,								102	127		152
						/		/									
						/			/								
045		051	055	060	064	070	075	/	080	082			100		127	150	
045		051		060	064			076			083	089		102	127		152
	050					070											
				1		1	'		'			'		'			





METRIC LOCKNUTS, LOCKRINGS AND WASHERS

METRIC LOCKNUTS, LOCKRINGS AND W Type	Material	Thread Type - Metric
Hex Locknut	Stainless Steel	Colour Dimension Across Flats (mm) Thickness (mm) SELF
	Brass	Dimension Across Flats (mm) Thickness (mm) SELF
	Nickel plated brass	Dimension Across Flats (mm) Thickness (mm) NICKEL
	Steel	Dimension Across Flats (mm) Thickness (mm) SELF
Flanged Hex Locknut	Nylon	Dimension Across Flats (mm) Thickness (mm) GREY BLACK
Lockring	Steel	Outside Diameter (mm) Thickness (mm) SELF
	Stainless Steel	Outside Diameter (mm) Thickness (mm) SELF
Sealing Joint Washer	Nylon	Outside Diameter (mm) Thickness (mm) WHITE
PG LOCKNUTS AND WASHERS Type	Material	Thread Type - PG
Hex Locknut	Brass / Nickel plated	Dimension Across Flats (mm) Thickness (mm) NICKEL
Flanged Hex Locknut	Nylon	Dimension Across Flats (mm) Thickness (mm) GREY BLACK
Sealing Joint Washer	Nylon	Outside Diameter (mm) Thickness (mm) WHITE
NPT LOCKNUTS	Material	Thread Type - NPT
Type Hex Locknut	Brass / Nickel plated	Dimension Across Flats (mm) Thickness (mm) NICKEL
"Tiger Tail" Locknut	Steel	Lug Diameter (mm) Thickness (mm) SELF





16	20	25	32	40	50	63			
- - -	28.0 3.5 MXWH04	28.0 4.0 MXWH05	38.0 5.0 MXWH06	- - -	- - - -	- - -			
22.0 2.0 WHMB03	27.0 2.0 WHMB04	33.0 2.0 WHMB05	41.0 4.3 WHMB06	47.0 3.0 WHMB07	64.0 3.0 WHMB08	- - -			
22.0 3.0 WHMM03	24.0 3.5 WHMM04	30.0 3.5 WHMM05	35.0 4.5 WHMM06	44.0 4.5 WHMM07	55.0 7.0 WHMM08	70.0 7.5 WHMM09			
23.2 3.5 WHMS03	27.9 3.5 WHMS04	34.5 3.5 WHMS05	43.0 3.5 WHMS06	49.5 4.0 WHMS07	63.1 4.0 WHMS08	78.0 5.0 WHMS09			
19.0 7.0 WHMN03 WHMNB03	23.0 8.0 WHMN04 WHMNB04	28.0 9.0 WHMN05 WHMNB05	37.0 10.0 WHMN06 WHMNB06	48.5 9.0 - WHMNB07	60.0 10.0 - WHMNB08	74.5 11.0 - WHMNB09			
21.0 4.5 WRMS03	26.0 4.5 WRMS04	32.0 4.5 WRMS05	38.0 5.0 WRMS06	/ <u>:</u>	1	/	,		
-	25.4 3.5	32.0 3.5	30.2 5.7	- ^	-	(:			
-	MXWR04	MXWR05	MXWR06	- /\	-	-			
22.0 1.6 YFM03				52.0 2.0 YFM07	66.5 2.0 YFM08	84.5 2.0 YFM09			
1.6	26.0 1.6	31.5 1.7	MXWR06 41.5 1.7	52.0 2.0	2.0	2.0	36	42	48
1.6 YFM03	26.0 1.6 YFM04	31.5 1.7 YFM05	41.5 1.7 YFM06	52.0 2.0 YFM07	2.0 YFM08	2.0 YFM09	36 51.0 5.0 WHPM08	42 60.0 5.0 WHPM09	48 64.0 5.0 WHPM10
1.6 YFM03 7 15.0 3.0	9 18.0 3.0	31.5 1.7 YFM05 11 21.0 3.0	41.5 1.7 YFM06 13.5 23.0 3.0	52.0 2.0 YFM07 16 26.0 3.0	2.0 YFM08 21 32.0 3.5	2.0 YFM09 29 41.0 4.0	51.0 5.0	60.0 5.0	64.0 5.0
1.6 YFM03 7 15.0 3.0 WHPM01 19.0 7.0 WHPN01	9 18.0 3.0 WHPM02 22.0 5.0 WHPN02	31.5 1.7 YFM05 11 21.0 3.0 WHPM03 24.0 5.0 WHPN03	41.5 1.7 YFM06 13.5 23.0 3.0 WHPM04 27.0 6.0 WHPN04	52.0 2.0 YFM07 16 26.0 3.0 WHPM05	2.0 YFM08 21 32.0 3.5 WHPM06 36.0 7.0 WHPN06	2.0 YFM09 29 41.0 4.0 WHPM07 46.0 7.0 WHPN07	51.0 5.0 WHPM08 60.0 8.0 WHPN08	60.0 5.0 WHPM09 - - -	64.0 5.0
1.6 YFM03 7 15.0 3.0 WHPM01 19.0 7.0 WHPN01	9 18.0 3.0 WHPM02 22.0 5.0 WHPN02 WHPNB02	31.5 1.7 YFM05 11 21.0 3.0 WHPM03 24.0 5.0 WHPN03 WHPNB03	MXWR06 41.5 1.7 YFM06 13.5 23.0 3.0 WHPM04 27.0 6.0 WHPN04 WHPNB04 22.5 2.0	52.0 2.0 YFM07 16 26.0 3.0 WHPM05 30.0 6.0 WHPN05 WHPNB05	2.0 YFM08 21 32.0 3.5 WHPM06 36.0 7.0 WHPN06 WHPNB06	2.0 YFM09 29 41.0 4.0 WHPM07 46.0 7.0 WHPN07 WHPNB07	51.0 5.0 WHPM08 60.0 8.0 WHPN08	60.0 5.0 WHPM09 - - -	64.0 5.0
1.6 YFM03 7 15.0 3.0 WHPM01 19.0 7.0 WHPN01 WHPNB01	9 18.0 3.0 WHPM02 22.0 5.0 WHPN02 WHPNB02 19.0 2.0 YFP02	31.5 1.7 YFM05 11 21.0 3.0 WHPM03 24.0 5.0 WHPN03 WHPNB03 22.5 2.0 YFP03	41.5 1.7 YFM06 13.5 23.0 3.0 WHPM04 27.0 6.0 WHPN04 WHPNB04 22.5 2.0 YFP04	52.0 2.0 YFM07 16 26.0 3.0 WHPM05 30.0 6.0 WHPN05 WHPNB05 27.0 2.0 YFP05	2.0 YFM08 21 32.0 3.5 WHPM06 36.0 7.0 WHPN06 WHPNB06 33.5 3.0 YFP06	2.0 YFM09 29 41.0 4.0 WHPM07 46.0 7.0 WHPN07 WHPNB07	51.0 5.0 WHPM08 60.0 8.0 WHPN08	60.0 5.0 WHPM09 - - -	64.0 5.0

Note: Imperial locknuts and lockrings available, contact the Kopex Sales Office.

Technical Reference



OVERVIEW

The Technical Reference provides guidance information covering some of the key areas of selection and specification of Kopex conduits.

- Ingress Protection (IP) ratings
- · Conduit cable carrying capacities
- Material performance data

For further information please contact the Kopex Technical Department.

Ingress Protection

Ingress Protection (IP) ratings provide a guide to the assembled systems' resistance to the ingress of liquids or solids. IP ratings quoted for Kopex conduit systems apply to the join between conduit and connector, the point of entry into the adjoining installation may require independent sealing to maintain the overall IP rating.

IP ratings are quoted as two numerals, e.g. IP65, where the first numeral represents the degree of protection against solid objects, and the second numeral is the degree of protection against liquids.

Where an Ingress Protection (IP) rating is stated the following definitions are applicable according to BS EN60529.

First IP Numeral	Summary Degree of Protection
0	Not protected
1	Protected against solid foreign objects of 50.0mm diameter and greater
2	Protected against solid foreign objects of 12.5mm diameter and greater
3	Protected against solid foreign objects of 2.5mm diameter and greater
4	Protected against solid foreign objects of 1.0mm diameter and greater
5	Dust protected
6	Dust tight

Second IP Numeral	Summary Degree of Protection
0	Not protected
1	Protected against vertically falling water drops
2	Protected against vertically falling water drops when enclosure titled up to 15 degrees
3	Protected against spraying water
4	Protected against splashing water
5	Protected against water jets
6	Protected against powerful water jets
7	Protected against the effects of temporary immersion in water (one metre, 30 mins.)
8	Protected against the effects of continuous immersion in water, subject to agreement





CABLE CAPACITY OF KOPEX FLEXIBLE NON-METALLIC CONDUIT

Cabla		

Nominal	Number	Nominal										
conductor	& diameter	overall cross										
size (mm²)	of wires	section area				Con	duit Siz	ze mm				
	No./mm	(mm²)	10	12	16	20	25	32	40	50	70	95
1	1/1.13	6.6	2	3	6	13	24	39	55	100	220	411
1.5	1/1.38	7.6	1	3	5	11	21	34	47	87	191	357
2.5	1/1.78	9.6	1	2	4	8	16	27	37	69	151	283
4	7/0.85	14.5	-	1	3	5	11	17	25	45	100	187
6	7/1.04	18.8	-	1	2	4	8	13	19	35	77	144
10	7/1.35	29.3	-	-	1	2	5	8	12	22	49	92
16	7/1.70	40.2	-	-	1	2	4	6	9	16	36	67
25	7/2.14	63.8	-	-	-	1	2	4	5	10	22	42
35	19/1.53	83.5	-	-	-	-	1	3	4	7	17	32
50	19/1.78	113	-	-	-	-	1	2	3	5	12	24
70	19/2.14	149	-	-	-	-	-	1	2	4	9	18
95	19/2.52	204	-	-	_	-	-	1	1	3	7	13

CABLE CAPACITY OF KOPEX PLIABLE CONDUIT

~~	ы	\sim

Nominal conductor	Number & diameter	Nominal overall cross				1/						
size (mm²)	of wires	section area				Cond	uit Siz	ze mm				
	No./mm	(mm²)	10	1/2	16	20	25	32	40	50	70	95
1	1/1.13	6.6	2	/3	6	10	19	34	51	97	150	228
1.5	1/1.38	7.6	1	2	5 🔥	8	17	29	44	84	131	198
2.5	1/1.78	9.6	1	2	4/	7	13	23	35	67	103	156
4	7/0.85	14.5	-		2	4	9	15	23	44	68	103
6	7/1.04	18.8	-	/ 1	2	3	7	11	18	34	53	80
10	7/1.35	29.3	-	/	/1	2	4	7	11	22	34	51
16	7/1.70	40.2	-	/ - /	1	1	3	5	8	16	24	37
25	7/2.14	63.8	- 6		-	1	2	3	5	10	15	23
35	19/1.53	83.5	-	-	-	- /	1	2	4	7	11	18
50	19/1.78	113	-	-	-	-	1	2	3	5	8	13
70	19/2.14	149	-	-	-	-	-	1	2	4	6	10
95	19/2.52	204	-	-	-	-	-	1	1	3	4	7

CABLE CAPACITY OF KOPEX KE FLEXIBLE CONDUIT

Cable

Nominal conductor	Number & diameter	Nominal overall cross								
size (mm²)	of wires	section area			Cor	nduit Siz	e mm			
	No./mm	(mm²)	10	12	16	20	25	32	40	50
1	1/1.13	6.6	2	4	8	14	21	37	65	96
1.5	1/1.38	7.6	2	4	7	12	18	32	56	83
2.5	1/1.78	9.6	1	3	5	9	14	25	44	66
4	7/0.85	14.5	1	2	3	6	9	17	29	43
6	7/1.04	18.8	-	1	2	5	7	13	22	33
10	7/1.35	29.3	-	1	1	3	4	8	14	21
16	7/1.70	40.2	-	-	1	2	3	6	10	15
25	7/2.14	63.8	-	-	-	1	2	3	6	10
35	19/1.53	83.5	-	-	-	1	1	2	5	7
50	19/1.78	113	-	-	-	-	1	2	3	5
70	19/2.14	149	-	-	-	-	-	1	2	4
95	19/2.52	204	-	-	-	-	-	1	2	3





CABLE CAPACITY OF KOPEX FLEXIBLE METALLIC CONDUIT

Cable

Nominal conductor	Number & diameter	Nominal overall cross				Cor	nduit Siz	ze mm			
size (mm²)	of wires	section area	10	12	16	20	25	32	40	50	63
	No./mm	(mm²)	1/4"	⁵ /16"	3/8"	1/2"	3/4"	1"	1 ¹ /4"	1 ¹ /2"	2"
1	1/1.13	6.6	2	4	6	10	19	32	48	76	125
1.5	1/1.38	7.6	1	4	5	9	17	27	42	66	109
2.5	1/1.78	9.6	1	3	4	7	13	22	33	52	86
4	7/0.85	14.5	-	2	2	4	8	14	22	34	57
6	7/1.04	18.8	-	1	2	3	6	11	17	26	44
10	7/1.35	29.3	-	1	1	2	4	7	11	17	28
16	7/1.70	40.2	- //	-/	-	1	3	5	8	12	20
25	7/2.14	63.8	- /	/-	-	1	2	3	5	7	13
35	19/1.53	83.5	- Y	/ ·	-	-	1	2	3	6	9
50	19/1.78	113	-y /	-	-	-	1	1	2	4	7
70	19/2.14	149	4/	-	-	-		1	2	3	5
95	19/2.52	204	-	-	-	-	1-	1	1	2	4

CABLE CAPACITY OF KOPEX ELECTROFLEX NON-METALLIC CONDUIT

Cable

Nominal conductor	Number & diameter	Nominal overall cross				Cone	duit Siz	ze mm				
			_									
size (mm²)	of wires	section area	8	10	12	16	20	25	32	40	50	63
	No./mm	(mm²)	v.	1/4"	⁵ /16"	3/8"	1/2"	3/4"	1"	11/4"	11/2"	2"
1	1/1.13	6.6	2	3	4	6	10	21	34	48	76	125
1.5	1/1.38	7.6	1	2	4	5	9	18	29	42	66	109
2.5	1/1.78	9.6	1	2	3	4	7	14	23	33	52	86
4	7/0.85	14.5	- \	1	2	2	4	9	15	22	34	57
6	7/1.04	18.8	-	1	1	2	3	7	11	17	26	44
10	7/1.35	29.3	-	-	1	1	2	4	7	11	17	28
16	7/1.70	40.2	-	-	-	1	1	3	5	8	12	20
25	7/2.14	63.8	-	-	-	-	1	2	3	5	7	13
35	19/1.53	83.5	-	-	-	-	-	1	2	3	6	9
50	19/1.78	113	-	- 1	-	-	-	1	2	2	4	7
70	19/2.14	149	-		-	-	-	-	1	2	3	5
95	19/2.52	204	-	-	Y -	-	-	-	1	1	2	4

Capacities given are maximums for simultaneous drawing-in of single-core PVC insulated cables. The capacities have been calculated on the basis of a 40% space factor and should be used as guidance only. Current IEE Wiring Regulations should be adhered to at all times.





Kopex - Material Performance Data

Standard PVC Covering

The basic PVC covering of flexible metallic conduits is a flame retardant grade, this will suppress combustion and extinguish within 30 seconds, once the flame source has been removed.

Resistance to Flame	Flame Retardant
Toxicity	Halogen Content 25%+
Oxygen Index	27
Mechanical Strength (BS2782)	15.9 Mpa. Tensile.
Elongation at Break	250%
UV Resistance (BS6746 Appx B)	6 MRads

Type F Low Acid PVC Covering

The Low Acid grade of PVC has an increased oxygen index which improves flame retardancy and inhibits smoke generation. Acid gas released during combustion is reduced to a maximum of 15% (as opposed to 25%+ for normal PVC).

Resistance to Flame	Flame Retardant
Toxicity	Halogen Content 15%
Oxygen Index	31
Mechanical Strength (BS2782)	11.2 Mpa. Tensile.
Elongation at Break	250%

Nylon

The Kopex Quick Click range of nylon conduits is manufactured from either nylon 6 or nylon 11, they are flame retardant and halogen and cadmium free.

Nylon (polyamide) is resistant to alkalis and many organic solvents including petrol, oils and grease. It is however attacked by acids, especially strong ones and particularly at elevated temperatures. The material has a very low permeability to organic vapours and permanent gases, including oxygen and carbon dioxide. The exception is water vapour.

Toxicity	Zero Halogen
Oxygen Index (ASTM 2863 - 74)	27
Mechanical Properties	42 Mpa. Tensile.
Elongation at Break	40%

Polpropylene

Oxygen Index (ASTM 2863-74)	17
Mechanical Properties	27 Mpa. Tensile at yield

PEEK

Please contact the Kopex Sales Office for data on PEEK.

Special Note - Low Smoke and Fume (LSF) vs Low Acid

Type F Low Acid PVC covering was introduced to the Pliable Conduit range as part of product safety improvements. This was initially termed 'LSF PVC', however as there is no official definition of LSF the description was changed to 'Low Acid PVC', PLEASE NOTE THERE IS NO DIFFERENCE BETWEEN THE CURRENT LOW ACID PLIABLE TYPE F AND THE ORIGINAL LSF PRODUCTS ONLY THE NAME HAS CHANGED.





Kopex - Material Performance Data

Type T Covering

Type T is a Limited Fire Hazard covering, for areas where fire constitutes an extreme hazard. The material is fire retardant, low smoke, low toxicity, halogen free and offers a high flammability temperature index indicating a high combustion point

Flammability Temperature Index	290°C	
Toxicity Index (NES 713)	1.5	7
Halogen Acid Evolution (BS 6425 Pt.1)	Zero	
Oxygen Index	40	
Mechanical Strength	15 Mpa. Tensile	97
Elongation at rupture	150%	7
Ozone Resistance (ASTM 470)	Pass	

Type H Covering

Resistance To Flame	Rated U494 V ₂
Toxicity	No chlorine -
	Limited bromine (6% halogen)
Burn Rate (ASTM D2863)	Pass
Smoke Emission	Limited smoke emission
Time to extinguish (ASTM D635-77)	Pass
Mechanical Strength	28 Mpa Tensile
Elongation at rupture	50%
Insulation resistance	16KΩ at ambient temperature

The Kopex Technical Department maintains a comprehensive selection of Technical Data Sheets (TDS) covering specific product details and general technical guidance. Typical information includes:

- Full product technical data dimensions etc.
- Chemical resistances of material types
- Attenuation graph for EMC screening products
- Effects of UV on material types
- Fire performance of conduits

Copies of Technical Data Sheets are available on request, or direct from the web site.





_	52	EF944_	44		GGM_	15		XQMS_	24
AEG_	49	EF950_	43		GGP_	15		XQP_	11
AKB_	49	EF952_	43		GQM_	16		XRA_	11
AMM_	52	EF954_	43		GUN_	16		XRM_	11
AMP_	52	EF970_	43		GYN_	16		XRP_	11
APM_	52	EF972_	43		KEB_	15		XSA_	11
APP_	52	EF974_	43		KEBF_	15		XSM_	11
ARB_	49	EF980_	44		KEBT_	15		XSP_	11
ARG_	49	EFCP_	49		KEBTSS_	27		YBAM_	28
ASB_	49	EKB_	31		KEU_	15		YBQM_	28
BAE_	20	EKG_	31		KSU_	23		YBSM_	28
BAM_	20	ELG_	33		MXWH_	51		YBSP_	28
BCE_	20	EMB_	33		MXWR_	51		YCC_	37
BCM_	20	EPB_	31		PHBF_	19		YCCB_	37
BGM_	28	EPG_	31		PHGS_	27		YCMPB_	38
BTM_	28	EPG_	33		PHGT_	27		YCNAC_	37
BXNPB_	20	ERB_	31	/	PHH_	27		YFM_	51
DAA_	54	ERG_	31		PHT_	27		YFP_	51
DAKA_	54	ESM_	46		PHU_	19		YPQM_	38
DAKKA_	54	EVB_	31		PLBF_	19		YQM_	35
DBAB_	54	FLB_	9		PSBF_	19	/	YQMB_	35
DKAK_	54	FLG_	9		PST_	19		YQP_	35
DKAKK_	54	FLH_	9		PSU_	19		YQPB_	35
DS_	54	FLLH_	9		TCW_	56		YRNB_	37
DTKT_	54	FLS_	9		TPS_	56		YSM_	37
DTT_	54	FLT_	9	/	WHAM_	51		YSP_	37
DUHT_	54	FRB_	9	/	WHAS_	51	1	YSTM_	37
EABL_	31	FRG	9		WHMB_	51		YSTP_	37
EAGL_	31	FSB_	23		WHMM_	51		YSTUB_	37
EBBM_	27	FSH_	23		WHMN_	51		YVM_	35
EBGN_	27	FST_	23		WHMNB_	51		YVMB_	35
ECBM_	27	FUB_	9		WHMS_	51		YVN_	38
ECHB_	33	FUG_	9		WHPM_	51		YVP_	35
ECPB_	33	GAM_	15		WHPN_	51		YVPB_	35
EEB_	31	GAMB_	28		WHPNB_	51		YWM_	35
EEG_	31	GAP_	15		WRMS_	51		YWMB_	35
EF150_	41	GBM_	15		XCAGA_	11		YWN_	38
EF160_	41	GBMB_	28		XMA_	11		YWP_	35
EF171_	41	GBP_	15		XMCGA_	11		YWPB_	35
EF172_	41	GCP_	16		XMM_	11		YXM_	35
EF178_	41	GFM_	15		XMP_	11		YXMB_	35
EF180_	41	GFMS_	24		XQA_	11		YXP_	35
EF746_	43	GFP_	15		XQAS_	24		YXPB_	35
EF942_	44	GFPS_	24		XQM_	11		YYNB_	37
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