



From our UK based facility Kopex International manufactures a wide range of worldwide approved products including metallic and non metallic conduit and fittings along with a full range of conduit accessories and non metallic cable glands. Kopex is committed to an extensive and on going R&D programme, which will continue to deliver innovative and high performance products for safety critical areas.

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# Product Catalogue

## Conduit Systems & Accessories

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**Thomas & Betts**

**Thomas & Betts**





## Welcome to Thomas & Betts

At Thomas & Betts, our focus is on improving your business performance by providing practical, reliable electrical products & services. To connect & protect for life. To solve everyday problems in the area's of Wire & Cable Management, Cable Protection, Power Connection & Control and Safety. Our extensive engineering, supply chain management and technical sales support teams are committed to understanding everything that impacts your ability to accomplish your business objectives by reducing your total cost of ownership.

Whether you are designing, installing, operating, maintaining or owning an office building, off-shore platform, hospital, or a high speed train, power generating plant, machine equipment or a manufacturing facility, Thomas & Betts engineered products fit and function in your application while providing superior performance, sustainability, and value throughout the project life cycle.

All our brands are built upon four product & service solution platforms. Platforms that address you or your customers' critical electrical & lighting needs covering the protection of data, energy, processes, assets and personal safety. Beyond hi-performance application characteristics, Thomas & Betts products, information and services facilitate and speed up your time critical assembly, installation or maintenance process.

With a dedicated team, we can support you with a full set of services and flagship product brands.

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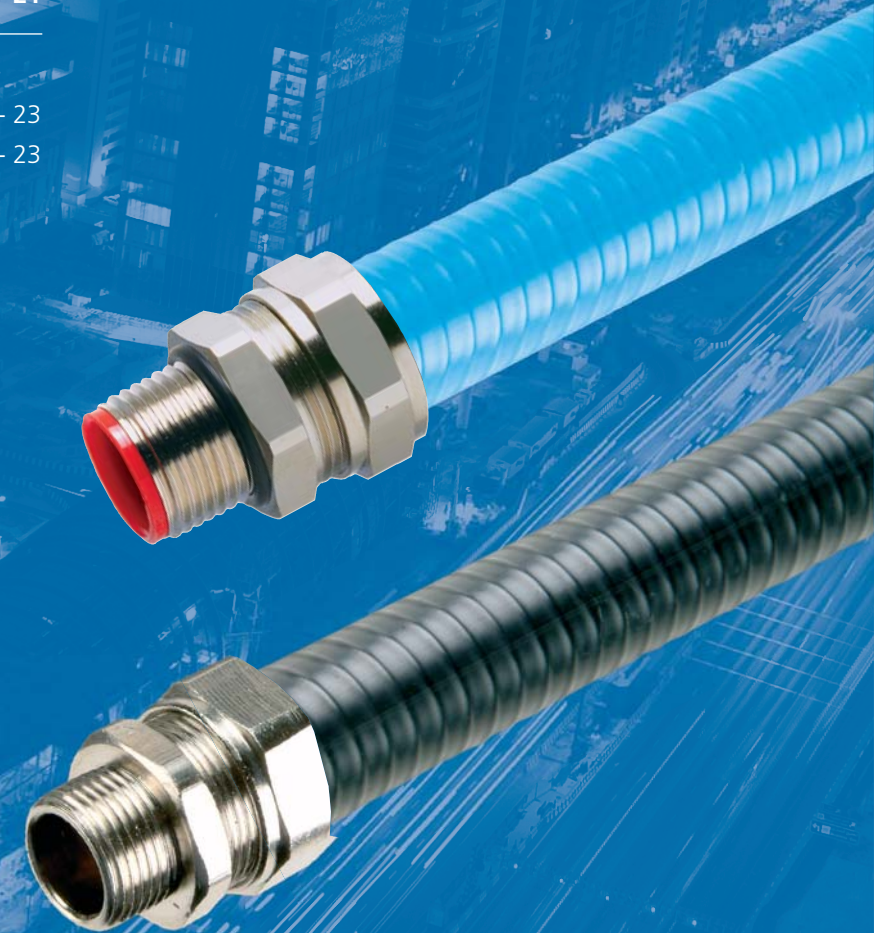
T&B Cable Tray



Ty-Rap

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## Quick Selection Guide

### Conduit Systems

	Product Section (Pages)	Flexible	Pliable	High Mechanical Strength	Oil and Chemical Resistant	Zero Halogen	Limited Fire Hazard	Flame Retardant	EMC Screening Level in dB at 1MHz	Abrasion Resistant	Static Temp. Rating °C	IP40	IP54	IP65	IP66	IP67	Approvals	
LT-PVC	Liquid Tight (6 - 9)	✓		✓	✓			✓			-25°C to +105°C				✓	✓	BSEN 61386	
LT-T		✓		✓		✓	✓	✓			-25°C to +90°C				✓	✓	BSEN 61386	
UL/CSA		✓		✓	✓			✓				-25°C to +105°C				✓	✓	UL/CSA
LT-H		✓		✓	✓		✓	✓	✓			-50°C to +130°C				✓	✓	BSEN 61386
KEU	KE Ultra (10 - 13)	✓		✓		✓	✓	✓			-50°C to +300°C	✓					BSEN 61386	
KEBF		✓		✓				✓			-25°C to +70°C		✓	✓			BSEN 61386	
KEBT		✓		✓			✓	✓			-25°C to +90°C		✓	✓			BSEN 61386	
LS1 Covered	Pliable (14 - 15)		✓	✓				✓	74dB		-40°C to +105°C				✓	✓	BSEN 61386	
LS1 Type T			✓	✓		✓	✓	✓	74dB		-25°C to +90°C				✓	✓	BSEN 61386	
Superscreen Type T			✓	✓	✓		✓	✓	106dB		-25°C to +90°C				✓	✓	BSEN 61386	
Superscreen Type H			✓	✓	✓	✓	✓	✓	106dB		-50°C to +130°C				✓	✓	BSEN 61386	
KSU	Stainless Steel (16 - 17)	✓		✓	✓	✓	✓	✓		✓	-50°C to +350°C	✓					BSEN 61386	
LT-H Stainless		✓		✓	✓	✓	✓	✓			-50°C to +130°C				✓	✓	BSEN 61386	
LT-T Stainless		✓		✓			✓	✓	✓		-25°C to +90°C				✓	✓	BSEN 61386	
Premium Duty Nylon EPG	(18 - 19)	✓				✓	✓	✓			-40°C to +120°C				✓		BSEN 61386	
Electroflex 150	Electroflex (20 - 21)	✓						✓			-20°C to +60°C			✓				
Electroflex 160		✓		✓				✓			-20°C to +60°C			✓				

For technical information please visit [www.kopex.co.uk](http://www.kopex.co.uk)

## LT-PVC - General Flexible



### Certification & Characteristics

**Certification Standard:**

BSEN 61386  
**Static Temp:** -25°C to +105°C  
**Flexing Temp:** -5°C to +105°C

**Special Characteristics:**

Flame retardant PVC covering  
 Oil resistant

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

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
Inside Diameter (mm)	6.2	10.0	12.5	16.0	21.0	26.0	34.8	40.4	51.6
Coil Lengths (m)	10/30	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20
Black	-	FLB02*	FLB03*	FLB04*	FLB05*	FLB06*	FLB07*	FLB08*	FLB09*
Grey	-	-	FLG03*	FLG04*	FLG05*	FLG06*	FLG07*	FLG08*	FLG09*

\*Add coil length to complete part number e.g. 10 metres of LT-PVC 10mm in black is FLB0410

## LT-T - Limited Fire Hazard Flexible



### Certification & Characteristics

**Certification Standard:**

LUL Fully Compliant,  
 MOD to NES 518: Issue 3  
 DEF STAN 61-12 (Part 31)  
 Issue 1, BSEN 61386

**Static Temp:** -25°C to +90°C

**Flexing Temp:** -5°C to +90°C

**Special Characteristics:**

Limited Fire Hazard, zero halogen (BS6425 Pt 1)

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

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
Inside Diameter (mm)	6.2	10.0	12.5	16.0	21.0	26.0	34.8	40.4	51.6
Coil Lengths (m)	10/30	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20
Black	-	-	FLT03*	FLT04*	FLT05*	FLT06*	FLT07*	FLT08*	FLT09*

\*Add coil length to complete part number e.g. 10 metres of LT-PVC 10mm in black is FLB0410

## UL / CSA



### Certification & Characteristics

**Certification Standard:**

UL, CSA,  
 UL File number E76358  
**Static Temp:** -25°C to +105°C  
**Flexing Temp:** -5°C to +105°C

**UL Rating:** -10°C to +60°C

**CSA Rating:** -10°C to +75°C

**Special Characteristics:**

Flame retardant PVC covering

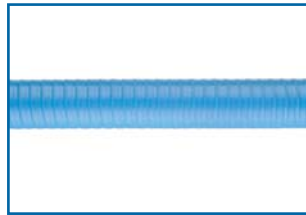
**Flame Propagation:**

Flame dies in less than 60 seconds after 3 applications, and ignition source is removed

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
Inside Diameter (mm)	6.2	10.0	12.5	16.0	21.0	26.0	34.8	40.4	51.6
Coil Lengths (m)	10/30	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20
Black	-	-	FUB03*	FUB04*	FUB05*	FUB06*	FUB07*	FUB08*	FUB09*
Grey	-	-	FUG03*	FUG04*	FUG05*	FUG06*	FUG07*	FUG08*	FUG09*

\*Add coil length to complete part number e.g. 10 metres of LT-PVC 10mm in black is FLB0410

## LT-H - High Temperature



### Certification & Characteristics

**Certification Standard:**

BSEN 61386  
**Static Temp:** -50°C to +130°C  
**Flexing Temp:** -5°C to +130°C

**Special Characteristics:**

Flame resistance:  
 UL94 V2  
 Chemical and oil resistant

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

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
Inside Diameter (mm)	6.2	10.0	12.5	16.0	21.0	26.0	34.8	40.4	51.6
Coil Lengths (m)	10/30	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20
Black	-	-	FLH03*	FLH04*	FLH05*	FLH06*	FLH07*	FLH08*	FLH09*
Blue	-	-	FLLH03*	FLLH04*	FLLH05*	FLLH06*	FLLH07*	-	-

\*Add coil length to complete part number e.g. 10 metres of LT-PVC 10mm in black is FLB0410

## KF-F Straight



### Certification & Characteristics

**Certification Standard:** UL514B,  
UL file number E60625  
**IP Rating:** IP66 & 67

**Suitable Conduits:** LT-PVC  
LT-T  
UL/CSA  
LT-H

**Connector Description:** Straight male, brass/nickel plated

### Technical Specifications

British Conduit Size (mm)	10	12	16	16	20	25	32	40	50	63
US Trade Size (inches)	1/4	5/16	3/8	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Pack Quantity	-	25	25	25	25	10	5	5	2	1
Thread Size - Metric (mm)	-	16	16	20	20	25	32	40	50	63
Ordering Code	-	XQM0203	XQM0303	XQM0304	XQM0404	XQM0505	XQM0606	XQM0707	XQM0808	XQM0909
Thread Size - PG	-	9	11	13.5	16	21	29	36	42	48
Ordering Code	-	XQP0202	XQP0303	XQP0304	XQP0405	XQP0506	XQP0607	XQP0708	XQP0809	XQP0910
Thread Size - NPT (in.)	-	-	-	1/2	1/2	3/4	1	1 1/4	1 1/2	2
Ordering Code	-	-	-	XQA0304	XQA0404	XQA0505	XQA0606	XQA0707	XQA0808	XQA0909

## KF-F Straight



### Certification & Characteristics

**Certification Standard:** UL  
**IP Rating:** IP66 & 67

**Suitable Conduits:** LT-PVC  
LT-T  
UL/CSA  
LT-H

**Connector Description:** 45° male elbow, steel and malleable iron/zinc plated

### Technical Specifications

British Conduit Size (mm)	10	12	16	16	20	25	32	40	50	63
US Trade Size (inches)	1/4	5/16	3/8	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Pack Quantity	-	-	10	10	10	10	5	5	2	1
Thread Size - Metric (mm)	-	-	16	20	20	25	32	40	50	63
Ordering Code	-	-	XR0303	XR0304	XR0404	XR0505	XR0606	XR0707	XR0808	XR0909

## KF-F 90°



### Certification & Characteristics

**Certification Standard:** UL  
**IP Rating:** IP66 & 67

**Suitable Conduits:** LT-PVC  
LT-T  
UL/CSA  
LT-H

**Connector Description:** 90° male elbow, steel and malleable iron/zinc plated

### Technical Specifications

British Conduit Size (mm)	10	12	16	16	20	25	32	40	50	63
US Trade Size (inches)	1/4	5/16	3/8	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Pack Quantity	-	-	10	10	10	10	5	5	2	1
Thread Size - Metric (mm)	-	-	16	20	20	25	32	40	50	63
Ordering Code	-	-	XSM0303	XSM0304	XSM0404	XSM0505	XSM0606	XSM0707	XSM0808	XSM0909
Thread Size - NPT (in.)	-	-	-	1/2	1/2	3/4	1	1 1/4	1 1/2	2
Ordering Code	-	-	-	XSA0304	XSA0404	XSA0505	XSA0606	XSA0707	XSA0808	XSA0909

## KF-C Straight



### Certification & Characteristics

**IP Rating:** IP66 & 67

**Suitable Conduits:** LT-PVC  
LT-T  
UL/CSA  
LT-H

**Connector Description:** Straight male, black PVC sleeve, steel/zinc body

### Technical Specifications

British Conduit Size (mm)	10	12	16	16	20	25	32	40	50	63
US Trade Size (inches)	1/4	5/16	3/8	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Pack Quantity	-	-	25	25	25	10	5	5	2	1
Thread Size - Metric (mm)	-	-	16	-	20	25	32	40	50	63
Ordering Code	-	-	XMM0303	-	XMM0404	XMM0505	XMM0606	XMM0707	XMM0808	XMM0909

## KEU - Galvanised Steel



### Certification & Characteristics

**Certification Standard:** BSEN 61386  
**Temperature:** -50°C to +300°C  
**Flame Propagation:** Contains no flame propagating materials

### Technical Specifications

British Conduit Size (mm)	10	12	16	20	25	32	40	50
Inside Diameter (mm)	7.0	10.0	12.9	17.0	21.1	28.4	36.4	48.2
Coil Lengths (m)	10/30	10/30	10/30	10/30/50	10/30/50	10/20	10/20	10/20
Self Colour	KEU01*	KEU02*	KEU03*	KEU04*	KEU05*	KEU06*	KEU07*	KEU08*

\*Add coil length to complete part number e.g. 10 metres of KEU 10mm = KEU0110. <sup>1</sup>denotes standard PVC covering

## KEBF - PVC Covered Steel



### Certification & Characteristics

**Certification Standard:** BSEN 61386  
**Static Temp:** -25°C to +70°C  
**Flexing Temp:** -5°C to +70°C  
**Special Characteristics:** Flame retardant PVC covering  
**Flame Propagation:** Flame dies in less than 30 seconds

British Conduit Size (mm)	10	12	16	20	25	32	40	50
Inside Diameter (mm)	7.0	10.0	12.9	17.0	21.1	28.4	36.4	48.2
Coil Lengths (m)	10/30	10/30	10/30	10/30/50	10/30/50	10/20	10/20	10/20
Black	KEBF01*	KEBF02*	KEBF03*	KEBF04*	KEBF05*	KEBF06*	KEBF07*	KEBF08*

\*Add coil length to complete part number e.g. 10 metres of KEU 10mm = KEU0110. <sup>1</sup>denotes standard PVC covering

## KEBT - Covered Steel



### Certification & Characteristics

**Certification Standard:** LUL Fully Compliant, for fixed locations and rolling stock  
**Static Temp:** -25°C to +90°C  
**Flexing Temp:** -5°C to +90°C  
**Special Characteristics:** Limited Fire Hazard, zero halogen (BS6425 Pt 1)  
**Flame Propagation:** Flame dies in less than 30 seconds

British Conduit Size (mm)	10	12	16	20	25	32	40	50
Inside Diameter (mm)	7.0	10.0	12.9	17.0	21.1	28.4	36.4	48.2
Coil Lengths (m)	-	-	10/30	10/30	10/30	10/20	10/20	-
Black	-	-	KEBT03*	KEBT04*	KEBT05*	KEBT06*	KEBT07*	-

\*Add coil length to complete part number e.g. 10 metres of KEU 10mm = KEU0110. <sup>1</sup>denotes standard PVC covering

## KF-E Fixed - For uncovered conduit



### Certification & Characteristics

**Special Characteristics:** Can be zinc/nickel plated or brass/nickel plated  
**IP Rating & Suitable Conduits:** KEU - IP40  
**Connector Description:** Fixed straight male Metallic

British Conduit Size (mm)	10	12	16	16	20	25	32	40	50
Pack Quantity	25	25	25	25	25	10	5	5	2
Thread Size - Metric (mm)	-	-	16	20	20	25	32	40	50
Ordering Code	-	-	GFM0303	GFM0304	GFM0404	GFM0505	GFM0606	GFM0707	GFM0808
Thread Size - PG	7	9	11	-	16	21	29	36	-
Ordering Code	GFP0101	GFP0202	GFP0303	-	GFP0405	GFP0506	GFP0607	GFP0708	-

## KF-E Fixed - For covered conduit



### Certification & Characteristics

**Special Characteristics:** Can be zinc/nickel plated or brass/nickel plated  
**IP Rating & Suitable Conduits:** KEBF & KEBT - IP54  
**Connector Description:** Fixed straight male Metallic

British Conduit Size (mm)	10	12	16	16	20	25	32	40	50
Pack Quantity	25	25	25	25	25	10	5	5	2
Thread Size - Metric (mm)	-	-	16	20	20	25	32	40	50
Ordering Code	-	-	GAM0303	GAM0304	GAM0404	GAM0505	GAM0606	GAM0707	GAM0808

## KF-E Swivel - For covered conduit



### Certification & Characteristics

**IP Rating:** IP54  
**Suitable Conduits:** KEBF & KEBT  
**Connector Description:** Swivel straight male Metallic

British Conduit Size (mm)	10	12	16	16	20	25	32	40	50
Pack Quantity	25	25	25	25	25	10	5	5	2
Thread Size - Metric (mm)	-	-	16	-	20	25	32	40	50
Ordering Code	-	-	GBM0303	-	GBM0404	GBM0505	GBM0606	GBM0707	GBM0808

## GYN Space Saver - For uncovered conduit



### Certification & Characteristics

**IP Rating:**  
IP40

**Suitable Conduits:**  
KEU

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

British Conduit Size (mm)	10	12	16	20	25	32	40	50
Pack Quantity	25	25	25	25	10	5	5	2
Ordering Code	GYN0101	GYN0202	GYN0303	GYN0404	GYN0505	GYN0606	GYN0707	GYN0808

## GUN Space Saver - For covered conduit



### Certification & Characteristics

**IP Rating:**  
IP54

**Suitable Conduits:**  
KEBF  
KEBT

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

British Conduit Size (mm)	10	12	16	20	25	32	40	50
Pack Quantity	25	25	25	25	10	5	5	2
Ordering Code	GUN0101	GUN0202	GUN0303	GUN0404	GUN0505	GUN0606	GUN0707	GUN0808

## KF-E Water-Tight - For covered conduit



### Certification & Characteristics

**IP Rating:**  
IP65

**Suitable Conduits:**  
KEBF  
KEBT

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

British Conduit Size (mm)	16	20	25	32	40
Pack Quantity	25	25	10	5	5
Thread Size - Metric (mm)	16mm	20mm	25mm	32mm	40mm
Ordering Code	GQM0303	GQM0404	GQM0505	GQM0606	GQM0707

## LS1 Covered - Flame Retardant Low Acid PVC



### Certification & Characteristics

**Temperature:**  
-40°C to +105°C

**Special Characteristics:**  
EMC Screening 74dB at 1 MHz with C12 connector

**Flame Propagation:**  
Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

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 Lengths (m)	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20	10/20

Black PSBF02\* PSBF03\* PSBF04\* PSBF05\* PSBF06\* PSBF07\* PSBF08\* - -

\*Add coil length to complete part number e.g 10 metres of LS1 Uncovered 12mm = PSBF210

## LS1 -Type T - Limited Fire Hazard Covering



### Certification & Characteristics

**Certification Standard:**  
MOD to NES518:Issue 3, DEF STAN 61-12 (Part 31) Issue 1  
**Temperature:** -25°C to +90°C

**Special Characteristics:**  
EMC Screening 74dB at 1 MHz with C12 connector

**Flame Propagation:**  
Flame dies in less than 30 seconds after ignition source is removed

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 Lengths (m)	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20	10/20

Black PST02\* PST03\* PST04\* PST05\* PST06\* PST07\* PST08\* PST09\* PST10\*

\*Add coil length to complete part number e.g 10 metres of LS1 Uncovered 12mm = PSBF210

## Superscreen Type T Pliable - Covered metallic



### Certification & Characteristics

**Certification Standard:**  
LUL Fully Compliant. MOD NES 518:Issue 3, DEF STAN 61-12 (Part 31) Issue 1  
**Temperature:** -25°C to +90°C

**Special Characteristics:**  
EMC Screening level: 94dB at 1MHz with C12, 106dB at 1MHz with C18

**Flame Propagation:**  
Flame dies in 30 seconds after ignition source is removed

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 Lengths (m)	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20	10/20

Black PHT03\* PHT04\* PHT05\* PHT06\* PHT07\* PHT08\* PHT09\* -  
Grey - PHGT03\* PHGT04\* PHGT05\* PHGT06\* PHGT07\* PHGT08\* PHGT09\* -

\*Add coil length to complete part number e.g 10 metres of LS1 Uncovered 12mm = PSBF210

## Superscreen Type H Pliable - Covered metallic



### Certification & Characteristics

**Temperature:**  
-25°C to +90°C

**Special Characteristics:**  
EMC Screening level: 94dB at 1MHz with C12, 106dB at 1MHz with C18

**Flame Propagation:**  
Flame dies in 30 seconds after ignition source is removed

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 Lengths (m)	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20	10/20

Black - PHH03\* PHH04\* PHH05\* PHH06\* PHH07\* PHH08\* PHH09\* -

\*Add coil length to complete part number e.g 10 metres of LS1 Uncovered 12mm = PSBF210

## C12 IP66 & 67 - For covered conduit



### Certification & Characteristics

**Connector Description:**  
Fixed male. Brass/nickel

**IP Rating:**  
IP66 & 67

**Suitable Conduits:**  
PSBF / PST

British Conduit Size (mm)	12	16	20	25	32	40	50	63	75
Pack Quantity	25	25	25	10	5	5	2	1	1
Thread Size - Metric (mm)	16	16	20	25	32	40	50	-	-
Body Type	Hexagonal	Hexagonal	Hexagonal	Hexagonal	Hexagonal	Hexagonal	Round	-	-
Ordering Code	BCM0203 <sup>1</sup>	BCM0303	BCM0404	BCM0505	BCM0606	BCM0707	BCM0808 <sup>1</sup>	-	-

## C18 - Male & Female for covered metallic



### Certification & Characteristics

**IP Rating:**  
IP66 & 67

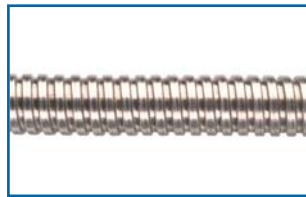
**Suitable Conduits:**  
Superscreen  
Types T, H,  
PHT / PHH

**Connector Description:**  
Fixed straight male and female, brass

British Conduit Size (mm)		20	25	32	40	50	63	75
Pack Quantity		25	10	5	5	2	1	1
Thread Size - Metric (mm)	Male	16	20	25	32	40	50	63
Ordering Code		BGM0303	BGM0404	BGM0505	BGM0606	BGM0707	BGM0808	BGM0909
Thread Size - Metric (mm)	Female	16	20	25	32	40	50	63
Ordering Code		BTM0303	BTM0404	BTM0505	BTM0606	BTM0707	BTM0808	BTM0909



## KSU - Uncovered Flexible 316 Stainless Steel Conduit



### Certification & Characteristics

**Certification Standard:** IEC61386  
**Temperature:** -50°C to +350°C  
**Flame Propagation:** Contains no flame propagating materials

### Technical Specifications

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
Inside Diameter (mm)	6.4	10.0	12.9	17.0	21.1	28.4	36.4	-	-
Coil Lengths (m)	10/30	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20

Self Colour KSU01\* KSU02\* KSU03\* KSU04\* KSU05\* KSU06\* KSU07\* - -

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

## LT-H Stainless - Covered Flexible 316 Stainless Steel Conduit



### Certification & Characteristics

**Certification Standard:** IEC61386  
**Static Temp:** -50°C to +130°C  
**Flexing Temp:** -5°C to +130°C  
**Special Characteristics:** Chemical and oil resistant. Jacket rated UL94-V<sub>2</sub>  
**Flame Propagation:** Flame dies in less than 30 seconds after ignition source removed.

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
Inside Diameter (mm)	-	-	12.5	16.0	21.0	26.0	34.8	40.4	51.6
Coil Lengths (m)	10/30	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20

Black - - FSH03\* FSH04\* FSH05\* FSH06\* FSH07\* FSH08\* FSH09\*

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

## LT-T Stainless - Covered Flexible 316 Stainless Steel Conduit



### Certification & Characteristics

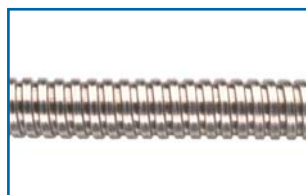
**Certification Standard:** IEC61386  
**LUL**  
**Static Temp:** -25°C to +90°C  
**Flexing Temp:** -5°C to +90°C  
**Special Characteristics:** Limited Fire Hazard.  
**Flame Propagation:** Flame dies in less than 30 seconds after ignition source removed.

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
Inside Diameter (mm)	-	-	12.5	16.0	21.0	26.0	34.8	40.4	51.6
Coil Lengths (m)	10/30	10/30	10/30	10/30	10/30	10/20	10/20	10/20	10/20

Black - - FST03\* FST04\* FST05\* FST06\* FST07\* FST08\* FST09\*

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

## KSU Small Bore - Uncovered Flexible 316 Stainless Steel Conduit



### Certification & Characteristics

**Temperature:** -50°C to +350°C  
**Flame Propagation:** Contains no flame propagating materials

British Conduit Size (mm)	10	12	16
US Trade Size (inches)	1/4	5/16	3/8
Inside Diameter (mm)	3.0	5.0	8.0
Coil Lengths (m)	20	20	10

Self Colour KSU00320 KSU00520 KSU00810

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

## KF-E Stainless - For uncovered Flexible 316 Stainless Steel Conduit



### Certification & Characteristics

**IP Rating:** IP40  
**Suitable Conduits:** KSU  
**Connector Description:** Fixed straight male, 316 stainless steel

British Conduit Size (mm)	10	12	16	20	25	32	40
Pack Quantity	1	1	1	1	1	1	1
Thread Size - Metric (mm)	-	-	16	20	25	32	40
Ordering Code	-	-	GFMS0303	GFMS0404	GFMS0505	GFMS0606	GFMS0707
Thread Size - PG	7	9	-	-	-	-	-
Ordering Code	GFPS0101	GFPS0202	-	-	-	-	-

## KF-F Stainless - For Covered Flexible 316 Stainless Steel Conduit

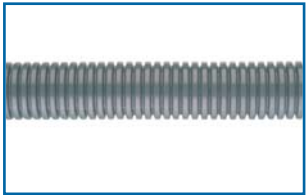


### Certification & Characteristics

**IP Rating:** IP66 & 67  
**Suitable Conduits:** LT-H Stainless, LT-T Stainless  
**Connector Description:** Fixed straight male, 316 stainless steel with nylon seal and nickel plated ferrule

British Conduit Size (mm)	16	16	20	25	32	40	50	63
US Trade Size (inches)	3/8	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Pack Quantity	1	1	1	1	1	1	1	1
Thread Size - Metric (mm)	16	20	20	25	32	40	50	63
Ordering Code	XQMS0303	XQMS0304	XQMS0404	XQMS0505	XQMS0606	XQMS0707	XQMS0808	XQMS0909
Thread Size - NPT (in.)	-	1/2	1/2	3/4	1	1 1/4	1 1/2	2
Ordering Code	-	XQAS0304	XQAS0404	XQAS0505	XQAS0606	XQAS0707	XQAS0808	XQAS0909

### Premium Duty Nylon 6



#### Certification & Characteristics

**Certification Standard:** IEC61386  
**Static Temp:** -40°C to +120°C  
**Flexing Temp:** -5°C to +120°C

**Special Characteristics:** Medium wall, corrugated, enhanced Nylon 6

**Flame Propagation:** Halogen free UL94 V0 and UL224.  
 Flame dies in less than 30 seconds after ignition source removed

### Technical Specifications

British Conduit Size (mm)	12	16	20	25	32
Pitch (T=fine, G=coarse)	T	T	T	T	T
Inside Diameter (mm)	9.6	11.5	16.1	22.3	28.4
Coil Lengths (m)	10/30/50	10/30/50	10/30/50	10/30/50	10/30/50
Grey	EPG02*	EPG03*	EPG04*	EPG05*	EPG06*

\*Add coil length to complete part number e.g 10 metres of Standard Nylon 10mm in black is = EPG0110

### Quick Click Straight



#### Certification & Characteristics

**IP Rating:** IP66

**Suitable Conduits:** Premium Duty

**Connector Description:** Straight male, Nylon 6

British Conduit Size (mm)	12	16	16	20	25	32
Pack Quantity	25	25	25	25	10	5
Thread Size - Metric (mm)	12	16	20	20	25	32
Fine Pitch (T) Grey	YQM0202	YQM0303	YQM0304	YQM0404	YQM0505	YQM0606

### Quick Click 90°



#### Certification & Characteristics


**IP Rating:** IP66

**Suitable Conduits:** Premium Duty

**Connector Description:** 90° male, Nylon 6

British Conduit Size (mm)	12	16	16	20	25	32
Pack Quantity	10	10	10	10	10	5
Thread Size - Metric (mm)	12	16	20	20	25	32
Fine Pitch (T) Grey	YXM0202	YXM0303	YXM0304	YXM0404	YXM0505	YXM0606

### Combined Conduit Clip



#### Certification & Characteristics

**IP Rating:** n/a

**Suitable Conduits:** All Non-metallic

**Connector Description:** Nylon

British Conduit Size (mm)	12	16	16	20	25	32
Pack Quantity	10	10	10	10	10	10
Grey	YCC02	YCC03		YCC04	YCC05	YCC06

## 150 Standard - Flexible PVC



### Certification & Characteristics

**Temperature:**  
-20°C to +60°C

**Special Characteristics:**  
Flame retardant PVC

**Flame Propagation:**  
Flame dies in 30 seconds after ignition source is removed.  
Rated UL94 V<sub>0</sub>

### Technical Specifications

British Conduit Size (mm)	8	10	12	16	20	25	32	40	50	63
Inside Diameter (mm)	6.0	8.0	10.0	12.0	16.0	22.0	28.0	35.0	40.0	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
	Black	EF150006*	EF150008*	EF150010*	EF150012*	EF150016*	EF150022*	EF150028*	EF150035*	EF150040*

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

## 160 Standard - Flexible PVC



### Certification & Characteristics

**Temperature:**  
-20°C to +60°C

**Flame Propagation:**  
Flame dies in 30 seconds after ignition source is removed.  
Rated UL94 V<sub>0</sub>

British Conduit Size (mm)	8	10	12	16	20	25	32
Inside Diameter (mm)	6.0	8.0	10.0	12.0	16.0	22.0	28.0
Coil Lengths (m)	10/20	10/30	10/30	10/30	10/30	10/30	10/30
	Black	-	-	EF160010x30 <sup>1</sup>	EF160012*	EF160016*	EF160022*

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

<sup>1</sup> EF160010x30 only available in 30 metre coils

## 150 Series - Straight Connector



### Certification & Characteristics

**IP Rating:**  
IP65

**Suitable Conduits:**  
150

**Connector Description:**  
Straight male, multi-part  
Flame retardant, UL94-V<sub>2</sub>  
Black polypropylene

British Conduit Size (mm)	8	10	12	16	16	20	25	32	40	50	63
Pack Quantity	25	25	25	25	25	25	10	5	5	2	1
Thread Size - Metric (mm)	16	-	12	16	-	20	25	32	40	50	63
Ordering Code	EF952006	-	EF952010	EF952012	-	EF952016	EF952022	EF952028	EF952035	EF952040	EF952050

## 150 Series - Elbow Connector



### Certification & Characteristics

**IP Rating:**  
IP65

**Suitable Conduits:**  
150

**Connector Description:**  
90° male elbow, multi-part  
Flame retardant, UL94-V<sub>2</sub>  
Black polypropylene

British Conduit Size (mm)	8	10	12	16	16	20	25	32	40	50	63
Pack Quantity	-	-	10	10	10	10	10	10	5	5	-
Thread Size - Metric (mm)	-	-	12	16	-	20	25	32	40	-	-
Ordering Code	-	-	EF972010	EF972012	-	EF972016	EF972022	EF972028	EF972035	-	-

## 160 Series - Straight Connector



### Certification & Characteristics

**IP Rating:**  
IP66

**Suitable Conduits:**  
160

**Connector Description:**  
Straight male, multi-part  
Flame retardant, UL94-V<sub>2</sub>  
Black polypropylene

British Conduit Size (mm)	8	10	12	16	16	20	25	32	40
Pack Quantity	-	-	25	-	25	25	10	-	5
Thread Size - Metric (mm)	-	-	12	-	16	20	25	32	40
Ordering Code	-	-	EF952011	-	EF952013	EF952017	EF952023	EF952029	EF952039

## 160 Series - Elbow Connector



### Certification & Characteristics

**IP Rating:**  
IP66

**Suitable Conduits:**  
160

**Connector Description:**  
90° male elbow, multi-part  
Flame retardant, UL94-V<sub>2</sub>  
Black polypropylene

British Conduit Size (mm)	8	10	12	16	16	20	25	32
Pack Quantity	-	-	10	-	10	10	10	5
Thread Size - Metric (mm)	-	-	12	-	16	20	25	32
Ordering Code	-	-	EF972011	-	EF972013	EF972017	EF972023	EF972029




### Ducting Selection

Ducting Type	Colour	Internal Diameter (mm)	Temp.(°C)	Reel Length (m)	13	19	22	24	25	30	32	38	45	50	51	55	60	64	70	75	76	80	82	83	89	100	102	127	150	
					30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	20	20	20	20	20	20	20	20	20	20
<b>Ducting for domestic and industrial ventilation</b>																														
DTT	Double layer aluminium	Pale grey aluminium	250°C	Ordering Suffix			022		025		032	038	045		051															
<b>Ducting for heating and ventilation</b>																														
DKAK	Outer layer of Kraft paper interleaved with aluminium, clear lined with Kraft paper	Plain Kraft paper	100°C	Ordering Suffix	013	019	022		025		032	038	045		051		060	064			076				083	089				
<b>Lightweight ducting</b>																														
DUHT	Outer layer black lacquered aluminium, heat sealed with Kraft paper, lined with clear lacquered aluminium	Black lacquered aluminium	150°C	Ordering Suffix							032	038	045		051	055	060		070	075		080	082			100		127	150	
<b>Specialist ducting ideal for automotive applications</b>																														
DBAB	Inner and outer layer of black Kraft paper interleaved with single layer of aluminium	Black Kraft paper	100°C	Ordering Suffix							032	038	045		051		060			076				083	089		102			
<b>Specialist exhaust ducting</b>																														
DS*	Single layer stainless steel	Plain stainless steel	350°C	Ordering Suffix			022	024		030		038		050					070											

- 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 product. For non-standard requirements please call the Kopex Sales Office. \*Please note DS ducting only available in 20m coil lengths.

### Metric Locknuts, Lockrings and Washers

Type	Material	Thread Type - Metric	Colour	16	20	25	32	40	50	63	
Hex Locknut 	Stainless Steel	Dimension Across Flats (mm)		-	28.0	28.0	38.0	-	-	-	
		Thickness (mm)		-	3.5	4.0	5.0	-	-	-	
				SELF	-	MXWH04	MXWH05	MXWH06	-	-	-
	Brass	Dimension Across Flats (mm)			22.0	27.0	33.0	41.0	47.0	64.0	-
Thickness (mm)				2.0	2.0	2.0	4.3	3.0	3.0	-	
			SELF	WHMB03	WHMB04	WHMB05	WHMB06	WHMB07	WHMB08	-	
Nickel plated brass	Dimension Across Flats (mm)			22.0	24.0	30.0	35.0	44.0	55.0	70.0	
	Thickness (mm)			3.0	3.5	3.5	4.5	4.5	7.0	7.5	
			NICKEL	WHMM03	WHMM04	WHMM05	WHMM06	WHMM07	WHMM08	WHMM09	
Steel	Dimension Across Flats (mm)			23.2	27.9	34.5	43.0	49.5	63.1	-	
	Thickness (mm)			3.5	3.5	3.5	3.5	4.0	4.0	-	
			SELF	WHMS03	WHMS04	WHMS05	WHMS06	WHMS07	WHMS08	-	