

KOPEX

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

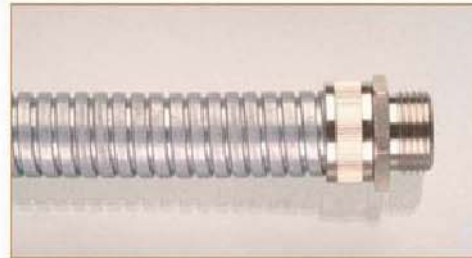
Standard flexible uncovered metallic conduit constructed from helically wound galvanised steel.

- 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**.



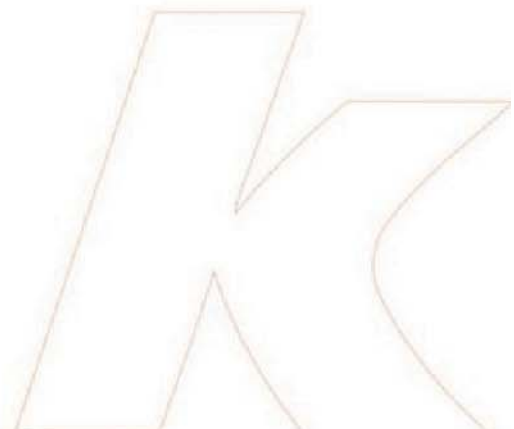
Connectors

- 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.



CONDUIT SELECTION

		Temp. Rating	Flame Propagation	Special Characteristics	Approvals
KEU Galvanised Steel		-50°C to +300°C	Contains no flame propagating 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 SELECTION

	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 } KEBT } IP54	
KF-E Swivel For covered conduit		Swivel straight male Brass/nickel plated KEBF } KEBT } 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	21.1	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

Colour

SELF	KEU01*	KEU02*	KEU03*	KEU04*	KEU05*	KEU06*	KEU07*	KEU08*
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BLACK	KEBF01*	KEBF02*	KEBF03*	KEBF04*	KEBF05*	KEBF06*	KEBF07*	KEBF08*
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COIL LENGTHS (m)	-	-	10/30	10/30	10/30	10/20	10/20	-
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BLACK	-	-	KEBT03*	KEBT04*	KEBT05*	KEBT06*	KEBT07*	-
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*add coil length to complete part number e.g. 10 metres of KEU 10mm = KEU0110
 'denotes standard PVC covering

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	-
Thread Size - Metric (mm)	-	-	16	-	20	25	32	40	50
Ordering Code	-	-	GGM0303	-	GGM0404	GGM0505	GGM0606	GGM0707	GGM0808
Thread Size - PG	7	9	11	-	16	21	29	36	-
Ordering Code	GGP0101	GGP0202	GGP0303	-	GGP0405	GGP0506	GGP0607	GGP0708	-
Thread Size - Metric (mm)	-	-	16	20	20	25	32	40	50
Ordering Code	-	-	GAM0303	GAM0304	GAM0404	GAM0505	GAM0606	GAM0707	GAM0808
Thread Size - PG	7	9	11	-	16	21	29	36	-
Ordering Code	GAP0101	GAP0202	GAP0303	-	GAP0405	GAP0506	GAP0607	GAP0708	-
Thread Size - Metric (mm)	-	-	16	-	20	25	32	40	50
Ordering Code	-	-	GBM0303	-	GBM0404	GBM0505	GBM0606	GBM0707	GBM0808
Thread Size - PG	7	9	11	-	16	21	29	36	-
Ordering Code	GBP0101	GBP0202	GBP0303	-	GBP0405	GBP0506	GBP0607	GBP0708	-

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CONNECTOR SELECTION

See pages 14-15 for suitable conduits

BRITISH CONDUIT SIZE (mm)	10	12	16	20	25	32	40	50
Pack Quantity	25	25	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	GYN0202	GYN0303	GYN0404	GYN0505	GYN0606	GYN0707	GYN0808
KEU	IP40	Ordering Code	GYN0101	GYN0202	GYN0303	GYN0404	GYN0505	GYN0606	GYN0707	GYN0808
KEBF & KEBT	IP54	Ordering Code	GUN0101	GUN0202	GUN0303	GUN0404	GUN0505	GUN0606	GUN0707	GUN0806

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	Ordering Code	GCP0101	GCP0202	GCM0303	GCM0404	GCM0505	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	-