



Flexible Conduit Systems

Type KF Standard Weight PVCU Conduit

Description

KFS is a general purpose standard weight Pliable conduit made from PVCU, the conduit is meant only for static applications as it does not return to it's original shape.

The conduit is none flame propagating and achieves up to IP65 depending on the fittings.

Applications

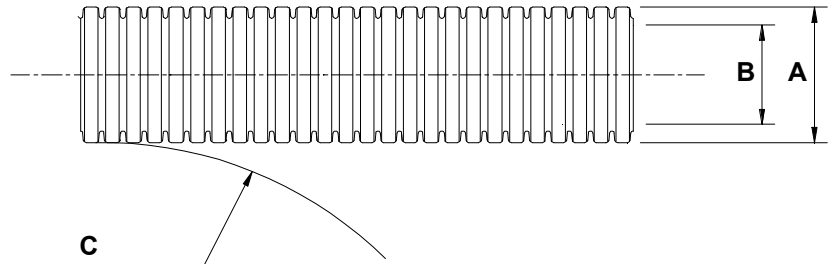
KFS is only used in static applications. These Korifit PVCU pliable systems type KF are particularly suitable for burial in concrete, wiring protection and routing in static, light duty industrial and commercial installations where flexing is not required, e.g. in a workshop, laboratory or retail premises.

Approvals

KFS conduits have many approvals covering many applications. Some of the more popular ones are detailed below...

BSI Kitemark KM35161(16-25)
CE LVD

Contact us for details



Part Number	Conduit size (NW)	US Trade (Inch)	O/D	Min Bore	Bend radius
			A	B	C
KFS16				11.9	25
KFS20				14.3	30
KFS25				19.7	40

Note : dimensions are in mm

Fittings associated with KF conduit	
KC/A	Straight swivel for installation fitting
KC/90	90° Elbow fitting
KF/A	Korifit push on straight fitting
Coupler	For connecting to pieces of 20mm KF



Contact details:

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Conduits

Document ref. AD105 version 1



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Specifications

Material: Unplasticised PVC
 Colour: White
 IP rating:
 With Adaptaseal fittings IP66 & 68 2bar
 With Adaptalok fittings IP66

Performance characteristics

The tables below provide test data for KFS Conduits in accordance with leading standards

Contact us for chemical compatibility data

Pre test conditioning			
Duration (Hours)	Standard	Temperature (°C)	Relative humidity (%)
168	EN50086/ IEC61386	23	50

Test type	Method/ Standard	Requirement	Value
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Performance Characteristics

Impact strength @ -15°C	EN50086-1	No cracks. < 20% deformation	≥ 2.0 J
Impact strength @ 23°C	EN50086-1	No cracks. < 20% deformation	≥ 2.0 J
Crush strength @ 23°C	AFX norm C1988	25% Instantaneous Value	750N
Crush strength @ 23°C	EN50086-1	<25% crush with >90% recovery	≥750N
Tensile Strength	EN50086-1	With KF/A Fitting	≥250N
Tensile Strength	AFX norm T1987	Ultimate pull-out of KF/A	270N
Static bend radius @ -15°C	EN50086-2.2	12 times O/D	240mm

Minimum temperature	-	Permanent use	-5°C
Maximum temperature	-	Permanent use	60°C
Heat Load Test	EN50086-1	Weight @ Crush classification (48hrs)	Pass

Flammability, smoke and toxicity (FST) performance

Test type	Standard / method	Requirement	Result	Unit
Flammability	EN50086-1	1kW burner @ 45°	PASS	pass/fail
Flammability	UL94	Vertical (V0,V2)or Horizontal (HB)	V0	HB - V0
Oxygen index	ISO 4589	% Oxygen to support combustion	32	%
Halogen Free	LUL	< 0.5 %	No	Yes/No
Sulphur Free	LUL	< 0.5 %	Yes	Yes/No
Phosphorus Free	LUL	< 0.5 %	Yes	Yes/No
Glow wire rating	IEC 695	No ignition, Extinguish within 2 s	960	°C

Mechanical performance

Thermal performance

notes: values are based on nominal 20mm conduit size
 MBR = minimum bend radius
 OD = outside diameter

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