

Data Sheet

Item Code: **KFR**

Description: pliable steel conduit, with insulating intermediate layer and plastic coating

Properties: high compression resistance, high impact resistance

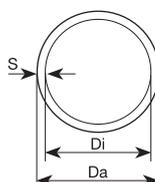
Colour:

Relevant Standard: EN/IEC 61386-21; IEC 60423; IEC 60614-2-2



Material	Compression Resistance	Impact Resistance	Classification	Temperature Range	UV Stabilisation
Fe, PVC-P	> 1250 N	> 6 J	44412	-25 °C/+60 °C	yes

Main Dimensions [mm]:



Nominal Size	Outer Diameter Da	Tolerance	Inner Diameter Di (minimal)	Wall Thickness s (nominal)*
20	20.0	+0.0/-0.3	15.8	2.10
25	25.0	+0.0/-0.4	20.5	2.25
32	32.0	+0.0/-0.4	27.5	2.25
40	40.0	+0.0/-0.4	36.0	2.00
50	50.0	+0.0/-0.5	45.3	2.35

* According to IEC 61386 inner diameter and wall thickness are not defined and up to manufacturer's specification; given values are only approximations and may vary from actual specifications.

Package Quantity [m]:

Nominal Size	Small Package	Large Package
20	25	
25	25	
32	25	
40	25	
50	25	

Areas of Recommended Application

surface installation	✓
concealed installation	
installation on wood	✓
embedding in poured concrete	
installation in jolted and tamped concrete	
embedding in prefabricated concrete walls and ceilings	
embedding in screed	
installation in dry lining walls and ceilings	✓
installation in machine and plant constructions	✓
outdoor installation	✓
installation in structural and civil engineering	

Scoop and acid-proof protective conduit; for cable management on machines, crane systems and in rooms with conductive floorings; resistant against oils or corrosive vapours especially in the chemical industry.

The application areas given above represent only recommendations, deviating national or local provisions and regulations have to be observed in any case.

Technical Data

	Unit	Value
Physical Properties		
specific density	g/cm ³	~7.80
modulus of elasticity	N/mm ²	
elongation at break	%	
water absorption	%	
Electrical Properties		
dielectric strength	kV/mm	
dielectric constant	-	
Fire Behaviour		
according to EN/IEC 61386	-	non flame propagating
Thermal Properties		
coefficient of linear expansion	m/m/°C	0.13 x 10 ⁻⁴
Mechanical Properties		
cold impact resistance	J bei °C	> 6 J
compression strength	N/5 cm	> 1250
Classification		
according to EN/IEC 61386	-	4441 2140 2010

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