

# Data Sheet

Item Code: **KFR**

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

Properties: high compression resistance, high impact resistance

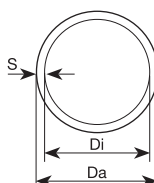
Colour:

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

KFR -en