Data Sheet

DIETZEL UNIVOLT
Cable Management Systems

Item Code: **FXKVR**

Description: double-walled ducting with draw-wire, corrugated exterior, smooth interior, including one coupler, in coils with 50m resp. 25m length

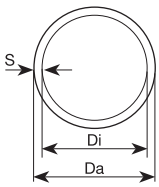
Properties: medium resistance against compression, normal impact resistance

Colour: black, similar to RAL 9005

Relevant Standard: EN/IEC 61386-24

Material	Compression Resistance	Impact Resistance	Classification	Temperature Range	UV Stabilisation
PE	> 450 N	normal duty	N 450	-25 °C/+60 °C	limited

Main Dimensions [mm]:



Nominal Size	Outer Diameter Da	Tolerance	Inner Diameter Di (minimal)	Wall Thickness s (nominal)*
50	50.0	+1.0/-0.0	41.0	4.50
63	63.0	+1.2/-0.0	50.0	6.50
75	75.0	+1.4/-0.0	60.0	7.50
90	90.0	+1.7/-0.0	74.0	8.00
110	110.0	+2.0/-0.0	93.0	8.50
125	125.0	+2.3/-0.0	106.0	9.50
160	160.0	+2.9/-0.0	136.0	12.00

* Wall thickness refers in case of corrugated conduits to the difference between outer measurement at corrugation peak and inner measurement at corrugation through, not the thickness of material; given values are only approximations and may vary from actual specifications.

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Package Quantity [m]:

Nominal Size	Small Package	Large Package
50	50	
63	50	
75	50	
90	50	
110	50	
125	50	
160	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	✔

Versatile ducting systems for the protection of power supply lines with sand tight coupling system, suitable for installations in structural and civil engineering, in concrete and under ground.

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/cm³	0.96
modulus of elasticity	N/mm²	600
elongation at break	%	> 500
water absorption	%	0.01
Electrical Properties		
dielectric strength	kV/mm	25.0
dielectric constant	-	2.3
Fire Behaviour		
according to EN/IEC 61386	-	flame propagating
Thermal Properties		
coefficient of linear expansion	m/m/°C	2.5 x 10-4
Mechanical Properties		
cold impact resistance	J bei °C	normal duty
compression strength	N/5 cm	> 450 N
Classification		
according to EN/IEC 61386-24	-	450 N