Data Sheet

DIETZEL UNIVOLT
Cable Management Systems

Item Code: **VRM-Turbo**

Description: rigid insulating conduit with inner grooves, plain, with moulded-on coupler

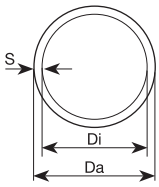
Properties: light compression resistance, light impact resistance

Colour: light grey, similar to RAL 7035

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

Material	Compression Resistance	Impact Resistance	Classification	Temperature Range	UV Stabilisation
PVC-U	> 320 N	> 1 J	22211	-5 °C/+60 °C	limited

Main Dimensions [mm]:



Nominal Size	Outer Diameter Da	Tolerance	Inner Diameter Di (minimal)	Wall Thickness s (nominal)*
16	16.0	+0.0/-0.3	14.0	1.00
20	20.0	+0.0/-0.3	17.8	1.10
25	25.0	+0.0/-0.4	22.6	1.20
32	32.0	+0.0/-0.4	29.4	1.30
40	40.0	+0.0/-0.4	37.0	1.50
50	50.0	+0.0/-0.5	46.4	1.80

* 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.

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Package Quantity [m]:

Nominal Size	Small Package	Large Package
16	111	6,216
20	111	3,996
25	57	2,280
32	57	1,386
40	21	966
50	21	630

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 insulating conduit for concealed cabling and surface installations.

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	1.40
modulus of elasticity	N/mm²	3.000
elongation at break	%	> 40
water absorption	%	0.08
Electrical Properties		
dielectric strength	kV/mm	25.0
dielectric constant	-	3.4
Fire Behaviour		
according to EN/IEC 61386	-	non flame propagating
Thermal Properties		
coefficient of linear expansion	m/m/°C	0.8 x 10-4
Mechanical Properties		
cold impact resistance	J bei °C	> 1 J
compression strength	N/5 cm	> 320
Classification		
according to EN/IEC 61386	-	2221 1240 0010