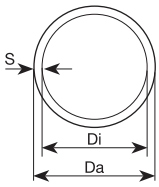
Data Sheet

DIETZEL UNIVOLT
Cable Management Systems

Item Code:	**HFXP-Turbo**
Description:	pliable insulating conduit with inner grooves, halogenfree, corrugated
Properties:	medium compression resistance, medium impact resistance
Colour:	black, similar to RAL 9005
Relevant Standard:	EN/IEC 61386-22; IEC 60423; IEC 60614-2-3

Material	Compression Resistance	Impact Resistance	Classification	Temperature Range	UV Stabilisation
PP-Blend	> 750 N	> 2 J	33432	-25 °C/+105 °C	yes

Main Dimensions [mm]:



Nominal Size	Outer Diameter Da	Tolerance	Inner Diameter Di (minimal)	Wall Thickness s (nominal)*
16	16.0	+0.0/-0.3	10.0	3.00
20	20.0	+0.0/-0.3	13.5	3.25
25	25.0	+0.0/-0.4	17.5	3.75
32	32.0	+0.0/-0.4	24.3	3.85
40	40.0	+0.0/-0.4	30.0	5.00
50	50.0	+0.0/-0.5	38.5	5.75

* 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. 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	50	2,700
20	50	2,700
25	50	1,600
32	25	675
40	25	500
50	25	300

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	✔

Cold impact and highly temperature resistant protective conduit for installations with increased safety requirements, low smoke release, for concealed cabling and surface installations, for installation on wood or outdoor use (stabilised against UV radiation); recommended for embedding in concrete (jolted, tamped and poured concrete) and for prefabricated house building; suitable for power plants, underground lines, computer centres, hotels, hospitals; resistant against greases, oils, acids, lyes, lubricants and wet concrete.

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	0.94
modulus of elasticity	N/mm²	1.300
elongation at break	%	> 50
water absorption	%	0.15
Electrical Properties		
dielectric strength	kV/mm	20.0
dielectric constant	-	2.8
Fire Behaviour		
according to EN/IEC 61386	-	non flame propagating
Thermal Properties		
coefficient of linear expansion	m/m/°C	0.9 x 10-4
Mechanical Properties		
cold impact resistance	J bei °C	> 2 J
compression strength	N/5 cm	> 750
Classification		
according to EN/IEC 61386	-	3343 2240 0010