



# Cable Conduit



## Standard dimensions

<b>Cable conduit in PVC</b> (Thickness according to in DIN 16875; further dimensions on request)						
<b>external diameter in mm</b>	<b>Line 2 thickness in mm</b>	<b>weight in kg/m</b>	<b>Line 3 thickness in mm</b>	<b>weight in kg/m</b>	<b>Line 4 thickness in mm</b>	<b>weight in kg/m</b>
50			1,8	0,42	2,4	0,55
63			1,9	0,56	3,0	0,85
75	1,8	0,64	2,2	0,78	3,6	1,22
90	1,8	0,77	2,7	1,13	4,3	1,75
110	2,2	1,16	3,2	1,64	5,3	2,61
125	2,5	1,48	3,7	2,13	6,0	3,34
140			4,1	2,65	6,7	4,18
160	3,2	2,41	4,7	3,44	7,7	5,47
200	4,0	3,70				

*All information should be understood as approx. data!*



## Cable conduit

*For the French market we deliver the cable conduit in NF Quality.*



NF pipes in PVC (NF 068)		
external diameter in mm	thickness in mm	weight in kg/m
28	1,5	0,20
33	1,5	0,23
45	1,8	0,38
60	2,0	0,56
80	2,5	0,92
100	2,0	0,94

*All information should be understood as approx. data!*

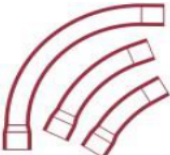
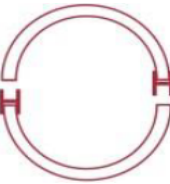

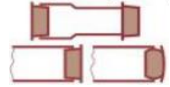

Material properties				
Material properties	Test method	HDPE	PVC	Unit
<b>Mechanical properties</b>				
Specific weight		1,0	1,4	g / cm <sup>3</sup>
Tensile strength		20	45	N / mm <sup>2</sup>
E modulus		1000	2500	N / mm <sup>2</sup>
Impact strength at 23°C	DIN 53453	no break	no break	
Impact strength at -20°C	DIN 53453	no break		
<b>Electical properties</b>				
volume resistivity		>10 <sup>16</sup>	>10 <sup>15</sup>	Ω x cm
surface resistivity		>10 <sup>14</sup>	>10 <sup>14</sup>	Ω
dielectric strength		40,0	>25	kV / mm
<b>Thermal properties</b>				
Thermal conductivity		0,4	0,2	W / mK
Coefficient of linear thermal expansion		1,6 x 10 <sup>-4</sup>	0,8 x 10 <sup>-4</sup>	K <sup>-1</sup>
Temperature operating conditions		70,0	60,0	C
Vicat softening VST/B/50	DIN 53460		>79	C
Flammability		highly combustible	inflammable	



# Cable conduit

## Accessories

The subsequent described accessories for cable conduit are our standard program. Further dimensions and colours are possible on request.

Accessories for cable conduits			
Accessories	Dimensions	Material	Basic colors
<b>Pipe elbow</b> 	Radius 1000 mm Radius of curvature: 45° and 90° All dimensions according to list of cable conduits	rigid PVC	black
<b>Reparation pipes</b> 	All dimensions according to list of cable conduits	rigid PVC	black
<b>Sockets</b> 	For diameters from 50 mm to 160 mm Length depending on dimension from 120 mm to 180 mm Different wall thickness	rigid PVC	black
<b>Tapered plug</b> 	For all current dimensions	HDPE	natural-colored
<b>Distance piece</b> 	for 4 / 6 / 8 pipes By a grid system arbitrarily mountable and separable For external diameter 100 mm or 160 mm	PP or PVC	black

*All information should be understood as approx. data!*