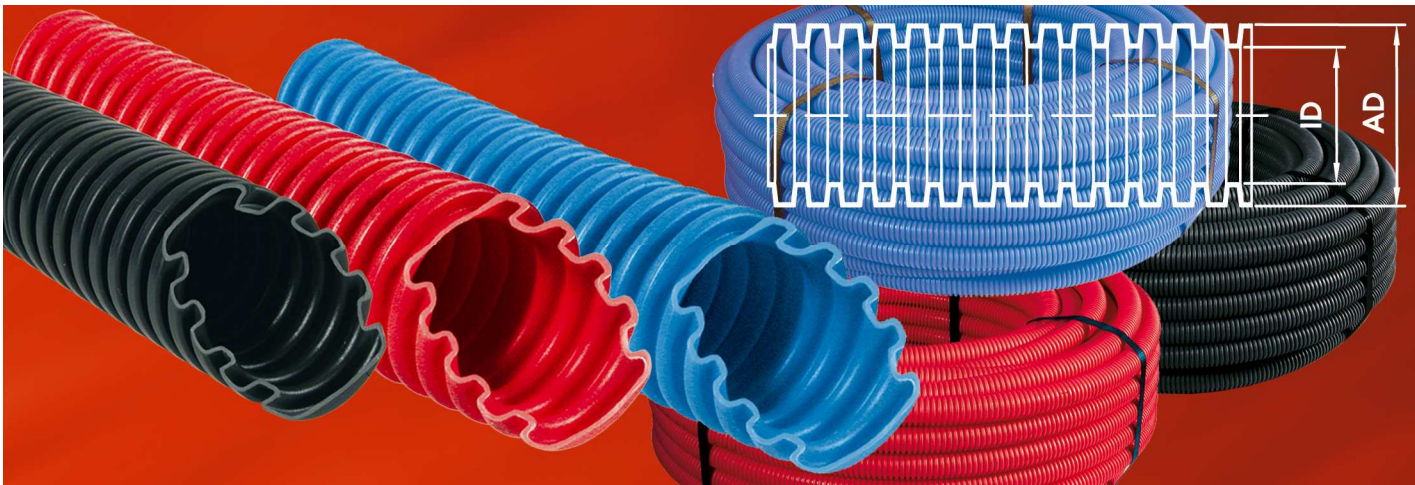


## UNIWELL KIWA

Bendable plastic insulating tube, free of halogens



### Application area:

Protection pipe which is used for applications in plumbing and heating tubes.

### Material:

Polyethylene (PE), free of halogens and other harmful ingredients.

Not flame-retardant.

### Chemical resistance:

PE is resistant against nearly every medium (alcohol, fat, mineral oil, motor fuel). Only concentrated and strong oxidising acids can affect PE.

### Physical properties

#### **Raw material:**

Elastic modulus [MPa]	DIN EN 53455	>1000
Impact strength [kJ/m <sup>2</sup> ]	DIN 53453	NB
Tensile strength [MPa]	DIN EN 53455	>22
Elongation at break [%]	DIN EN 53455	>300
Volume resistivity [ $\Omega$ cm]	DIN 53482	<10 <sup>16</sup>
Surface resistivity [ $\Omega$ ]	DIN 53482	<10 <sup>13</sup>

#### **Tube:**

Working temperature (permanent)	[°C]	-15 up to +90
Working temperature (short term)	[°C]	+120

#### **Classification / standards:**

KIWA	BRLK 536/04 Part D
Impact strength	250g, 1m at 0°C
Compressive strength	200 N

Art.No. *	Diameter NW [mm]	Outer $\varnothing$ [mm]	Inner $\varnothing$ [mm]	Delivery unit [m]**	Packing unit [m]
516x50	16	21,0 (-0,6)	16,6 (+/-0,4)	50	2.800
201019x50	19	24,2 (-0,7)	19,0 (+0,6/-0,1)	50	2.500
520x50	20	25,1 (-0,8)	20,7 (+/-0,4)	50	2.500
523x50	23	28,5 (-0,8)	23,0 (+0,7/-0,1)	50	2.000
529x50	29	34,5 (-1,0)	28,5 (+0,9/-0,1)	50	1.800
536x25	36	42,5 (-1,1)	36,6 (+/-0,7)	25	900

\*x = 1 = red  
x = 2 = blue  
x = 3 = black

\*\* Other delivery units and colours on request.

Subject to modifications and amendments! / Januar 2014