

**UW-Connecting hoses with  
stainless steel braiding for  
drinking water  
(Kott-Glide-V2A)**



**1.) General**

This specification is for a highly flexible connection hose with a convoluted tube inliner made of HDPE and a stainless steel braiding. It is supposed for use with different kinds of water.

Resistance against ozone, microbiologic and UV are fulfilled. Further it is according ELV/2000/53/EC, 2003/11/EC and 2002/95/EC and 2002/96/EC (ROHS). Further according recipe there are not included or added Perfluorooctanesulfonic (PFOS) and Decabromodiphenyl Ether (Deca-BDE).

**2.) Materials used**

Inliner –	HDPE convoluted tube
Braiding –	stainless steel 1.4301 (could also be with blue or red stripe if needed)
Sleeves –	stainless steel
Fittings –	brass or if needed stainless steel (certified for drinking water)
Nuts –	nickel plated brass
Sealing –	rubber or fibre (of course certified for drinking water)

### 3.) Physical characteristics and certificates

Description	test method	Value
Using temperature	Long term	-30°C up to 70°C
Using temperature	Short term	up to 90°C
Pressure resistance	Please see table below	
DVGW – W543	Flexible pressure hose, class I	
DVGW – DIN EN 13618	Fulfilled	
KTW-BWGL	Certified according 1+ system	
ACS	Fulfilled	
WRAS	85°C	
CSTB - QB	90°C / 50 bar (DN6/8)	
VDE	DIN EN 61770 for DN8/13/18	
GB4806.1	Fulfilled	
KIWA	hygienic and mechanic (DN6/8/13)	
SAI	hygienic and mechanic (DN6/8/13)	

### 4.) Packaging

The hoses shall be supplied in standard commercial cartons secured in such manner that will prevent loss or damage upon shipment as well as storage. It would also be possible to use customer containers or boxes.

### 5.) Labelling

Each Box is marked with following information:  
manufacturer, UW-part number, part description, quantity, manufacturing date

### 6.) Measurements and tolerances

Nominal dimension	Bending radius in mm	Work pressure (long termed)	Burst pressure (room temp.)	Standard connections Male/Female/Elbow Flat sealing
DN6	21	15	>100 bar	3/8"
DN8	25	15	>100 bar	3/8" / 1/2" / 3/4"
DN13	32	15	>75 bar	1/2" / 3/4"
DN18	48	10	>55 bar	3/4" / 1"
DN25	64	10	>45 bar	1"
DN32	80	6	>35 bar	1 1/4"

Length is starting from 100 mm up to usually 3.000 mm – if needed also longer hoses are possible.

**Of course we are trying to fulfil all customer' wishes beside our standard.**