



PURPLE SNAKE® PLUS CONDUCTIVE

The hose for the brewing and beverage industry - electrically conductive

Application

PURPURSCHLANGE® PLUS CONDUCTIVE is the new hightech version of the reliable and internationally known PURPURSCHLANGE®. It is the first food hose with all food approvals as well as electrical conductivity for the total hose construction, due to the black coiled OHM conductive stripe inside and outside. Thus it is optimally suitable for operation in ex-zones, especially for transport of high-proof alcohol in breweries, distilleries, wineries, bottlers and many other installations in the brewing, beverage and spirits industry. The white UPE lining is absolutely neutral to taste and odour, homogeneous, smooth, free of plasticizers and temperature resistant up to +95°C (+203°F). Due to the high abrasion resistance the hose is also suitable for conveying granulate and powder medium. Flexibility, pressure resistance and long service life – even under extreme working conditions – are additional advantages. PURPLE SNAKE® PLUS CONDUCTIVE can easily be cleaned conventionally or by CIP installations. Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

Description

- › White, non-porous and smooth UPE lining with black coiled OHM conductive stripe, absolutely neutral to taste and odour
- › Reinforcements: synthetic fibres
- › Red, fabric patterned special cover with black coiled OHM conductive stripe, resistant to ozone, weather, UV and abrasion
- › Working pressure up to 16 bar / 232 psi
- › Temperature range from -30°C up to +95°C / -22°F up to +203°F (+110°C / +230°F max. 60 minutes)
- › Can be steamed up to +130°C / +266°F (max. 30 minutes)
- › Suitable for pure alcohol up to 100%
- › Meets the requirements of EG 1935/2004, EG 2023/2006 and EU 10/2011
- › Meets the recommendation III of BfR and FDA (21 CFR 177.1520)
- › Electrically conductive through the hose wall

Marking

axially applied blue wavy line on red cover "Continental ContiTech
PURPURSCHLANGE® PLUS CONDUCTIVE FDA glass/fork symbol
BfR EG 1935/2004 2023/2006 Made in Germany"

Technical data

nominal width inch	inner-Ø mm	wall thickness mm	length m	steel wire helix	working pressure		min. burst pressure		Vacuum		min. bending radius aprx. mm	weight aprx. g/m
					bar	psi	bar	psi	bar	mmHg		
1	25	6	40	•	16	232	48	696	-0,9	-675	100	800
1 1/4	32	6	40	•	16	232	48	696	-0,9	-675	125	1050
1 9/16	40	7	40	•	16	232	48	696	-0,9	-675	150	1450
2	50	8	40	•	16	232	48	696	-0,9	-675	200	2200
2 5/8	65	8	40	•	16	232	48	696	-0,9	-675	250	2570
3	75	8	40	•	16	232	48	696	-0,9	-675	300	2850
3 1/8	80	8	40	•	16	232	48	696	-0,8	-608	300	3100
4	100	9	40	•	16	232	48	696	-0,8	-608	400	4700

Pressure and vacuum based on room temperature / High pressure and/or temperature lead to reduced component durability

