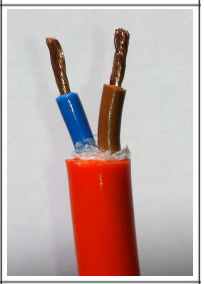
HTS System AG

Tecnical Information of PURWIL

Characteristics PURWIL®	orange	
■■■ ■■■■■■■ very good ■■■■■■■ good ■■■■■ medium ■■■ unstable **Standards**		
Conductor-/Jacket-material	**EPR cross-linked/ PUR**	
Electrical data	≤ 1mm²	≥ 1,5 mm²
Nominal voltage Test voltage	300 V/500 V 2000 V/50 Hz	450 V/750 V 3500 V/50 Hz
Mechanical properties		
Flexibility classes according to HD 383	Class 5	
Minimum bending	(D=Cable-Ø)	
Radius for flexible use	R=10xD dynamic	
Maximum allowable pull	20/N/mm² static	
Resistance to alternating bending	■■■	
Ultimate elongation and flexibility	■■■■■■■■	
Crush resistance	■■■■■■■■■■	
Resistance to torsion	No	
Resistance to abrasion and wear	■■■■■■■■■■	
Resistance to cuts and scratches	■■■■■■■■■■	
Resistance to vibration	■■■■■■■■■■	
Use as trailing operation	No	
Sliding characteristics	Low adhesion	
Use in drag chain operations	■■■	
Thermal properties		
Temperature range		
Moved	-5°C to 90°C	
Stagnant	-40°C to 90°C	
Chemical properties		
Resistance to mineral fat and oil	■■■■■■■■■■	
Resistance to fuel (non alcoholic, kerosin)	■■■■■■■	
Resistance to waste water, sea water	■■■■■■■■■■	
Resistance to acids	■■■	
Resistance to alcalies	■■■	
Free of halogen	100% halogen-free	
Exposure to environment		
Resistance to weather	■■■■■■■■■■	
Resistance to UV radiation	■■■■■■■■■■	
Resistance to hydrolysis and microbes	■■■■■■■■■■	
Resistance to oxygen and ozone	■■■■■■■■■■	
Resistance to nuclear irradiation (Gamma)	≤ 10^8 rad	
Fire retarding	No	
Applications	– Machine tool industry – Building industry – Mechanical engineering – Defense, military – Chemical industry – Public transport – Food industry – Agriculture	

Bösch 63 - CH-6331 Hünenberg Tel: +41 41 798 00 98 Fax: +41 41 798 00 90
info@htsag.biz www.htsag.biz