

# PURWIL PUR/PUR Classic Line

20\_1\_0

**Robust and flexible polyurethane cable. (PUR/PUR, orange, flex)**

S05QQ-F / S1QQ-F

## Application

The PURWIL-Cable is mainly used for temporary installations under harsh environmental conditions. The cable has a very high resistance to friction, cold flexibility and is resistant against mineral oil, ozone and UV radiation.

Main applications:

Machine industry, construction sites, chemical industry, appliance construction and transport industry, etc.

## Construction

- Copper cord flex, cl. 5 (IEC 60228) finely stranded
- Polyurethan insulation (PUR)
- Conductor colours acc. to CENELEC HD308S2
- Sheath Polyurethan (PUR)

## Description

Designed acc. to SEV TP20B/3C:

- Cold bending strength test, level 4: - 40°C
- Cyclical bending test, level 3: > 60'000 single moves

- Pressure resistance, level 3: 1800 N
- Friction resistance, level 2: 1000 double strokes
- Cold strike resistance, level 4: - 40°C
- Weather/water resistance, level 2:
- Oil resistance: level 2
- Nominal voltage  
 $\leq 1 \text{ mm}^2$ : U<sub>0</sub>/U 300 V / 500 V  
 $\geq 1.5 \text{ mm}^2$ : U<sub>0</sub>/U 600 V / 1000 V
- Test voltage  
 $\leq 1 \text{ mm}^2$ : 2000 V / 50 Hz  
 $\geq 1.5 \text{ mm}^2$ : 3500 V / 50 Hz
- Min. bending radius 10 x D (D = cable-Ø)

## Temperature range

- 40°C ... +80°C
- 40°C ... +90°C permanent installation

## Jacket colour

Orange similar to RAL 2004

## Standards

SEV TP20B/3C in combination with HD22.10  
IEC 60754-1 halogen free

## Remarks

Special labelling of outer sheath on request



## Technical data

Cross-section mm <sup>2</sup>	Part no.	Conductor design	Ø D approx. mm	Cu-number kg/km	Weight kg/km
2x0.75	18375	LN	6.4	14.40	41.0
3x0.75	18376	LNPE	6.7	21.60	53.0
4x0.75	18377	3LPE	7.8	28.80	71.0
2x1.0	18379	LN	6.8	19.20	47.0
3x1.0	18380	LNPE	7.0	28.80	61.0
4x1.0	18381	3LPE	8.0	38.40	81.0
5x1.0	18382	3LNPE	8.8	48.00	97.0
7x1.0	18383	6Lnum+PE	10.9	67.20	143.0
12x1.0	18384	11Lnum+PE	13.4	115.20	215.0
2x1.5	18386	LN	7.8	28.80	64.0
3x1.5	18351	LNPE	8.3	43.20	87.0
4x1.5	18387	3LPE	9.4	57.60	115.0
5x1.5	18388	3LNPE	10.5	72.00	142.0
7x1.5	18389	6Lnum+PE	12.8	100.80	198.0
12x1.5	18390	11Lnum+PE	15.0	172.80	302.0
3x2.5	18406	LNPE	10.2	72.00	138.0
4x2.5	18407	3LPE	11.4	96.00	177.0
5x2.5	18352	3LNPE	12.6	120.00	217.0
7x2.5	18408	6Lnum+PE	15.5	168.00	308.0
3x4	18421	LNPE	12.3	115.20	208.0
4x4	18422	3LPE	13.6	153.60	265.0
5x4	18423	3LNPE	15.1	192.00	328.0
7x4	18424	6Lnum+PE	18.1	268.80	450.0
4x6	18436	3LPE	16.0	230.40	376.0
5x6	18437	3LNPE	17.4	288.00	460.0
4x10	18439	3LPE	20.0	384.00	608.0
5x10	18451	3LNPE	22.1	480.00	745.0
4x16	18453	3LPE	23.3	614.40	879.0
5x16	18353	3LNPE	25.9	768.00	1100.0