

# PURWIL EPR/PUR EMC Line

25\_1\_0

**Flexible and shielded multi-core polyurethane cable**

**Application**

- SF6 switchgear
- Engine construction
- Machine tool construction

**Construction**

- Copper cord flex, cl. 5 (IEC 60228) finely stranded
- EPR insulation; colour of conductors acc. to CENELEC HD308S2
- Tinned copper shield
- Sheath polyurethane PUR

**Description**

- Very robust
- Oil and petrol resistant
- Cold flexibility
- Nominal voltage  
 ≤ 1 mm<sup>2</sup>: U<sub>o</sub>/U 300 V / 500 V  
 ≥ 1.5 mm<sup>2</sup>: U<sub>o</sub>/U 450 V / 750 V

- Test voltage  
 ≤ 1 mm<sup>2</sup>: 2000 V / 50 Hz  
 ≥ 1.5 mm<sup>2</sup>: 2500 V / 50 Hz
- Min. bending radius 15 x D (D = cable-Ø)
- Halogen-free

**Temperature range**

-40°C ... +90°C static  
 Short-term application up to 110°C

**Jacket colour**

Grey similar to RAL 7011

**Standards**

- SEV TP20B/3C
- IEC 60754-1 halogen free

**Remarks**

Special labelling of outer sheath on request

S05BC4Q-F / S07BC4Q-F



**Technical data**

Cross-section mm <sup>2</sup>	Part no.	Conductor design	Ø d1 mm	Ø D approx. mm	Cu-number kg/km	Weight kg/km
2x0.75	18356	2Lnum	5.5	7.2	38.50	68.0
3x1	18511	2Lnum+PE	6.2	8.1	56.70	87.0
5x1	18512	4Lnum+PE	7.6	9.7	82.40	140.0
3x1.5	18513	2Lnum+PE	7.7	9.7	79.20	118.0
4x1.5	18514	3Lnum+PE	8.5	10.7	96.30	166.0
5x1.5	18520	4Lnum+PE	9.5	11.7	114.50	198.0
7x1.5	18521	6Lnum+PE	10.4	13.2	146.50	260.0
12x1.5	18522	11Lnum+PE	14.3	17.7	256.80	439.0
16x1.5	18523	15Lnum+PE	16.0	19.6	324.20	547.0
3x2.5	18530	2Lnum+PE	9.2	11.4	116.60	190.0
4x2.5	18531	3Lnum+PE	10.2	12.6	164.40	242.0
5x2.5	18532	4Lnum+PE	11.7	14.3	191.50	308.0
4x4	18534	3LPE	12.4	15.0	227.90	350.0
5x4	18540	3LNPE	13.7	16.5	277.50	426.0
4x6	18541	3LPE	14.3	17.3	316.70	470.0
5x6	18542	3LNPE	15.9	19.1	386.30	579.0
4x10	18543	3LPE	18.1	22.5	530.70	800.0
5x10	18544	3LNPE	20.2	24.8	644.20	971.0
4x16	18561	3LPE	21.1	25.7	781.10	1110.0
5x16	18562	3LNPE	23.4	28.4	953.70	1357.0
4x25	21408	3LPE	25.7	30.5	1139.50	1580.0
5x25	21409	3LNPE	28.7	34.2	1443.30	1989.0
4x35	21410	3LPE	29.5	34.9	1610.40	2122.0
4x50	21411	3LPE	34.5	40.7	2212.80	2900.0
5x50	21412	3LNPE	38.5	45.0	2733.40	3629.0
4x70	21413	3LPE	39.0	46.0	3039.00	3997.0
4x95	21414	3LPE	45.3	52.5	4282.00	5470.0
1x50	23706	L	14.4	17.7	5382.00	6780.0
1x70	23708	L	16.2	19.9	7565.00	9150.0
1x95	23710	L	18.8	22.8	1057.20	1245.0
1x120	23712	L	21.1	25.3	1304.30	1515.0
1x150	23714	L	22.8	27.6	1574.00	1875.0
1x185	23716	L	25.4	30.4	2004.10	2330.0
1x240	23718	L	29.0	34.5	2541.30	2950.0