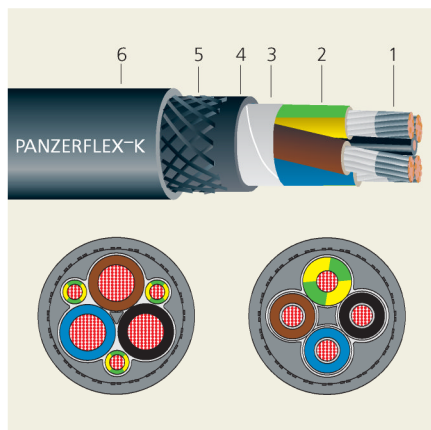


Panzerflex® 1kV; low voltage power cable

LOW VOLTAGE



Construction & Characteristics PANZERFLEX® 1 kV

- 1 Flexible tinned stranded copper conductor
- 2 EPR rubber compound insulation
- 3 Tape
- 4 Polychloroprene based compound inner sheath
- 5 Antitwisting protection of synthetic yarns
- 6 Black polychloroprene based compound outer sheath

Applications

Panzerflex® special flexible heavy duty power cables have been developed for use on moving installations where there are high torsional and tensile stresses, ambient conditions are harsh or there is danger of abrasion and crushing. Typical applications for Panzerflex® are mobile installations on all types of harbour cranes, container cranes, ship-unloaders, mobile harbour cranes, deck cranes, stacker & reclaimers, trippers, mining & tunnelling equipment and mobile generator sets.

Ratings and Specifications

VDE 0250, Part 814

Rated and test voltages

Rated voltage U ₀ /U	0,6/1 kV A.C.
Max voltage U _m	0,7/1,2 kV A.C.
Max voltage U _m	0,9/1,8 kV D.C.
Test voltage	2,5 kV A.C.

Temperature ratings

- + 90°C Maximum conductor temperature
- 20°C Minimum conductor temperature

Dimensional data

Nominal cross section mm ²	Number of cable cores 3 + 3		Number of cable cores 4		Max. Contin. Safe Reeling Tension N
	Max. overall diam. mm	Net weight kg/km	Max. overall diam. mm	Net weight kg/km	
1,5	–	–	14,3	280	120
2,5	–	–	17,2	410	200
4	–	–	20,0	550	320
6	–	–	21,5	680	480
10	–	–	25,5	1030	800
16	–	–	30,0	1470	1280
25	–	–	35,0	2130	2000
35	–	–	39,0	2750	2800
50 (10)*	44,5	3310	44,5	3700	4000
70 (16)*	49,3	4340	49,0	4840	5600
95 (16)*	52,3	5500	56,5	6470	7600
120 (25)*	59,4	6970	63,2	8280	
150 (25)*	61,5	8130	68,7	9950	
185 (35)*	67,2	9820	74,9	11800	
240 (50)*	76,1	12680			
10 (2,5)*					
16 (2,5)*					
25 (2,5)*					
35 (2,5)*					

* The cross section indicated in the brackets is that of each minor conductor of 3 + 3.



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