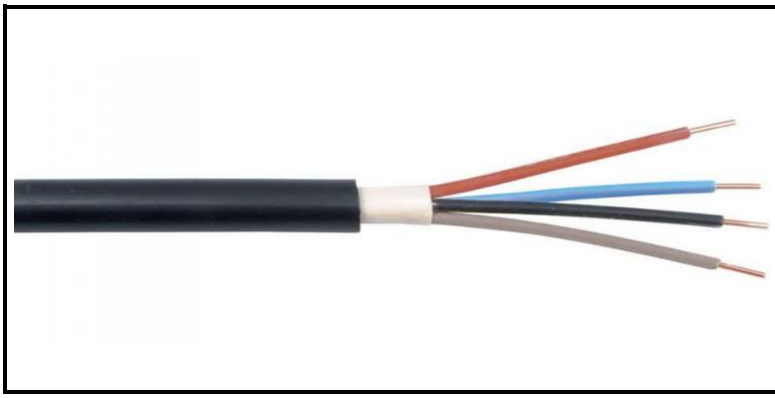

Adapted to DIN VDE 285, DIN EN 50525

PVC insulated and PVC sheathed power cable

Construction:	
Conductors:	annealed copper flexible conductor, class 1 or 2 acc. to DIN VDE 0295
Insulation:	special PVC compound
Core identification:	colour coded acc. to DIN VDE 0293-308, 0276 part 603 or HD 186
Outer sheath:	special PVC compound
Colour of outer sheath:	black RAL 9005

Characteristic:	
Nominal Voltage:	0,6/1 kV
Test voltage 50Hz:	4000 V
Temperature range:	flexing: -5°C to +50°C fixed: -40°C to +70°C
Minimum bending radius:	single-wire: 15 x cable ∅ multiple-wire: 12 x cable ∅
Flame propagation:	acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
Standard length cable packing:	500 m or 1000 m on drums. Other forms of packing and delivery are available on request.

Application:

Power cables for energy supply are installed in open air, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well as subscriber networks, where mechanical damages are not to be expected.

Number and nominal cross-sectional area of conductors	Approximate overall diameter	Approximate net weight of copper	Approximate net weight of cables
n x mm²	**mm**	**kg/km**	**kg/km**
1 x 4 re	9,0	38,0	115,0
1 x 6 re	9,5	58,0	135,0
1 x 10 re	10,0	96,0	179,0
1 x 16 re	11,0	154,0	245,0
1 x 25 rm	12,0	240,0	360,0
1 x 35 rm	13,0	336,0	470,0
1 x 50 rm	15,0	480,0	620,0
1 x 70 rm	16,5	672,0	810,0
1 x 95 rm	19,0	912,0	1110,0
2 x 1,5 re	11,0	29,0	175,0
2 x 2,5 re	12,0	48,0	215,0

2	x	4 re	14,0	77,0	295,0
2	x	6 re	15,0	115,0	370,0
2	x	10 re	16,5	192,0	495,0
2	x	16 re	18,5	307,0	670,0
2	x	25 rm	23,5	480,0	960,0
3	x	1,5 re	11,5	43,0	195,0
3	x	2,5 re	12,5	72,0	250,0
3	x	4 re	14,0	115,0	340,0
3	x	6 re	15,0	173,0	430,0
3	x	10 re	17,0	288,0	590,0
3	x	16 re	19,0	461,0	820,0
3	x	25 rm	24,0	720,0	1320,0
3	x	35 sm	25,0	1008,0	1450,0
3	x	50 sm	26,5	1440,0	1850,0
3	x	70 sm	30,0	2016,0	2450,0
3	x	95 sm	34,5	2736,0	3300,0
3	x	120 sm	37,0	3456,0	4100,0
3	x	150 sm	40,0	4320,0	4900,0
3	x	185 sm	46,0	5328,0	6500,0
3	x	240 sm	51,0	6912,0	8300,0
4	x	1,5 re	12,0	58,0	230,0
4	x	2,5 re	13,5	96,0	300,0
4	x	4 re	15,0	154,0	410,0
4	x	6 re	16,5	230,0	520,0
4	x	10 re	18,5	384,0	730,0
4	x	16 re	21,5	614,0	1045,0
4	x	25 rm	26,0	960,0	1640,0
4	x	35 sm	27,5	1344,0	1760,0
4	x	50 sm	30,0	1920,0	2350,0
4	x	70 sm	34,0	2688,0	3100,0
4	x	95 sm	39,0	3648,0	4250,0
4	x	120 sm	42,5	4608,0	5300,0
4	x	150 sm	47,5	5760,0	6400,0
4	x	185 sm	52,0	7104,0	8500,0
4	x	240 sm	58,0	9216,0	11000,0
5	x	1,5 re	13,0	72,0	270,0
5	x	2,5 re	14,5	120,0	360,0
5	x	4 re	16,5	192,0	490,0
5	x	6 re	18,0	288,0	600,0
5	x	10 re	20,0	480,0	890,0
5	x	16 re	22,5	768,0	1255,0
5	x	25 rm	28,0	1200,0	1960,0
5	x	35 rm	34,0	1680,0	2400,0