



(N)SHOEU 0.6/1kV Flexible cable

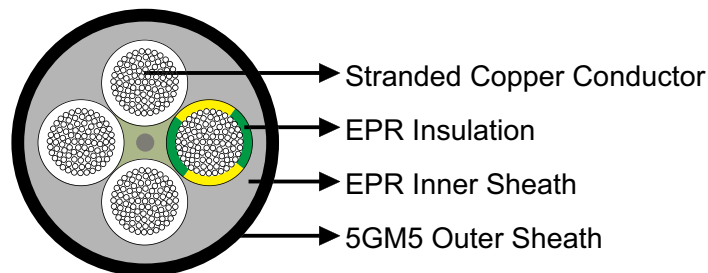
» Applications

These cables are designed for use in open cast mining factories for laying of excavators and conveyor belts with permanent movements between parts of the equipment. These cables are used where the ascending pipe serves as earth conductor, for instance for submersible pumps.

» Standards

VDE 0250 Part 812

» Construction



Conductors: Flexible stranded copper conductor, class 5 according to DIN VDE 0295/IEC 60228.

Insulation: EPR.

Earth Conductor (for –J type): Incorporated as a fourth core or split into three in the outer interstices.

Inner Sheath: EPR.

Outer Sheath: CM type 5GM5.

» Dimensions and Weight

(N)SHOEU-J

Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	mm	mm	mm	kg/km
3×1.0	0.60	0.8	1.2	9.2	9.6	160

Caledonian Mining Cables

Cables for Open-cast Mining



Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	mm	mm	mm	kg/km
3×1.5	0.60	0.8	1.2	10.4	12.0	180
3×2.5	0.70	0.8	1.2	11.3	12.9	240
3×4	0.80	0.9	1.3	12.5	14.1	295
3×6	0.80	1.0	1.4	13.9	15.5	370
3×10	1.00	1.0	1.4	16.8	18.8	570
3×50+3×25/3	1.10	1.4	2.5	31.5	34.5	2500
3×70+3×35/3	1.10	1.4	2.5	36.2	39.2	3400
3×95+3×50/3	1.20	1.7	2.8	42.0	45.0	4475
3×120+3×70/3	1.20	2.0	3.0	46.0	49.0	5400
4×1.5	0.60	0.8	1.2	10.7	13.0	210
4×2.5	0.70	0.9	1.4	11.7	13.7	260
4×4	0.80	0.9	1.4	13.7	15.7	350
4×6	0.80	1.0	1.4	15.2	17.2	485
4×10	1.00	1.0	1.6	19.0	21.0	690
4×16	1.00	1.2	1.8	22.0	24.0	1090
4×25	1.00	1.3	2.2	26.5	29.5	1600
4×35	1.00	1.3	2.3	30.0	33.0	2090
4×50	1.10	1.5	2.6	34.5	38.5	2700
4×70	1.10	1.5	2.6	39.5	43.5	3620
4×95	1.20	1.7	2.8	45.0	49.0	4710
4×120	1.20	2.0	3.3	51.0	55.0	6020

(N)SHOEU-O

Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	mm	mm	mm	kg/km
5×1.5	0.60	0.8	1.2	12.0	14.0	240
5×2.5	0.70	0.9	1.3	13.0	14.8	305
5×4	0.80	0.9	1.4	14.8	17.0	440
5×6	0.80	1.0	1.6	17.0	19.0	580
5×10	1.00	1.0	1.6	20.0	23.0	870
5×16	1.00	1.2	1.8	23.8	26.8	1280
5×25	1.00	1.3	2.3	29.5	32.5	1950
2×1.5	0.60	0.8	1.2	9.8	11.8	155
7×1.5	0.60	0.9	1.4	13.0	14.6	295
8×1.5	0.60	0.9	1.4	14.0	15.6	320
10×1.5	0.60	1.0	1.6	15.5	17.5	390



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Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	mm	mm	mm	kg/km
12×1.5	0.60	1.0	1.6	16.5	18.5	445
2×2.5	0.70	0.8	1.2	10.8	12.8	195
4×2.5	0.70	0.9	1.4	11.7	13.7	290
7×2.5	0.70	0.9	1.4	15.0	17.0	410
8×2.5	0.70	0.9	1.4	16.0	19.0	430
10×2.5	0.70	1.0	1.6	18.0	20.5	520
12×2.5	0.70	1.0	1.6	18.5	21.5	580
18×2.5	0.70	1.0	1.6	21.5	24.5	835
24×2.5	0.70	1.2	1.8	25.5	28.5	895
2×4	0.80	0.9	1.2	12.0	13.6	250
12×4	0.80	1.2	1.8	25.0	28.0	990
1×16	1.00	-	1.4	9.6	11.2	215
1×25	1.00	-	1.7	11.2	13.2	325
1×35	1.00	-	1.8	12.6	14.6	430
1×50	1.10	-	2.0	14.6	16.6	610
1×70	1.10	-	2.2	16.6	18.6	825
1×95	1.20	-	2.3	18.9	20.9	1070
1×120	1.20	-	2.4	20.8	22.8	1300
1×150	1.30	-	2.5	23.0	25.0	1610
1×185	1.40	-	2.6	24.9	27.9	2000
1×240	1.50	-	2.8	28.2	31.2	2500
1×300	1.80	-	3.3	31.8	34.8	3200
3×2.5	0.70	0.8	1.2	11.3	12.9	240
3×4	0.80	0.9	1.3	12.5	14.1	295
3×6	0.80	1.0	1.4	13.9	15.5	370
3×10	1.00	1.0	1.4	16.8	18.8	570
3×16	1.00	1.0	1.6	19.0	22.0	770
3×25	1.00	1.2	2.0	23.5	26.5	1200
3×35	1.10	1.3	2.2	27.5	30.5	1570
3×50	1.10	1.5	2.6	31.5	35.5	2200
3×70	1.10	1.5	2.6	36.0	40.0	2910
3×95	1.20	1.7	2.8	41.0	45.0	3780
3×120	1.20	1.8	3.0	45.0	49.0	4700
3×150	1.30	1.7	2.8	49.0	53.0	5650
3×185	1.40	2.2	3.4	55.0	59.0	7050