

# Rubber insulated cable (N)SSHOEU /3E



**Application:** Designed to withstand high mechanical stress. For the connection of heavy duty underground mining, industrial and construction equipment, in dry and damp areas and outdoors. The cable is largely flame- and oil-resistant.

## Construction and technical data:

<b>Standard:</b>	VDE 0250 T. 812 (with ref. to)
<b>Conductor material:</b>	tinned copper
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber (EPR) 3GI3
<b>Arrangement of protective conductors:</b>	copper wire spinning over each phase
<b>Sheathing material:</b>	rubber 5GM5
<b>Colour of outer sheath:</b>	yellow
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-404
<b>Ozone-resistant:</b>	yes
<b>For outdoor use:</b>	yes
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +80 °C



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

## (N)SSHOEU /3E

<b>Nominal voltage U<sub>o</sub>:</b>	0.6 kV
<b>Nominal voltage U:</b>	1 kV
<b>Test voltage:</b>	3 kV

part no.	part name	RI [Ohm/km]	l <sub>bl</sub> [A]	R <sub>bv</sub> [mm]	R <sub>bb</sub> [mm]	Ø [mm]	F <sub>zv</sub> [N]	Cu	G [kg]
050821	3X2.5 + 3X2.5/3E	8.21	30	66	83	16.5	112	144	370

part no.	part name	RI [Ohm/km]	Ibl [A]	Rbv [mm]	Rbb [mm]	Ø [mm]	Fzv [N]	Cu	G [kg]
050822	3X6 + 3X6/3E	3.39	53	78	98	19.5	270	298	602
050823	3X10 + 3X10/3E	1.95	74	96	121	24.1	450	442	912
050824	3X95 + 3X50/3E	0.21	301	221	276	55.2	4275	3437	5391
050825	3X2.5 + 3X2.5/3E + 3X1.5 St	8.21	30	76	96	18.9	112	198	470
051259	3X4 + 3X4/3E + 3X1.5 St	5.09	41	78	97	19.4	180	285	600
050826	3X6 + 3X6/3E + 3X1.5 St	3.39	53	89	111	20.9	270	341	620
050827	3X10 + 3X10/3E + 3X2.5 St	1.95	74	100	126	24.7	450	514	940
050828	3X16 + 3X16/3E + 3X2.5 St	1.24	99	116	146	29.1	720	754	1310
050829	3X25 + 3X16/3E + 3X2.5 St	0.795	131	128	161	32.5	1125	1042	1740
052367	3X25 + 3X25/3E + 3X2.5 St	0.795	131	128	160	31.9	1125	1176	1853
050830	3X35 + 3X16/3E + 3X2.5 St	0.565	162	144	180	36.7	1575	1368	2240
050831	3X50 + 3X25/3E + 3X2.5 St	0.393	202	173	216	43	2250	1896	3160
050832	3X70 + 3X35/3E + 3X2.5 St	0.277	250	184	231	46.8	3150	2587	4210
050833	3X95 + 3X50/3E + 3X2.5 St	0.21	301	217	271	53.6	4275	3509	5520
050834	3X120 + 3X70/3E + 3X2.5 St	0.164	352	248	310	57.9	5400	4440	6730
052542	3X150 + 3X70/3E + 3X2.5 St	0.132	404	233	350	58.3	6750	5414	7250
051039	3X150 + 3X95/3E + 3X2.5 St	0.132	404	256	384	63.9	6750	5304	8220

RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
Rbv	Bending radius, fixed installation
Rbb	Bending radius, moving application
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000