

# Rubber insulated cable (N)SSHOEU /3E copper bare



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Rubber cable designed for high mechanical stress for connecting heavy equipment in underground mining, industrial, and construction settings. Suitable for use in dry and moist environments as well as outdoors. Additionally, it can be used in seawater depths of up to 2000 meters.

Current-carrying capacity acc. to VDE 0298-4, Tab. 15

## Construction and technical data:

<b>Standard:</b>	VDE 0250 T. 812 (with ref. to)
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber 3GI3
<b>Arrangement of protective conductors:</b>	copper wire spinning over each phase
<b>Material inner sheath:</b>	rubber
<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>	yes
<b>Ozone-resistant:</b>	yes
<b>Water-resistant:</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 - +60 °C
<b>Bending radius, fixed installation:</b>	4 x Ø
<b>Bending radius, moving application:</b>	5 x Ø
<b>Maximum tensile strength at the conductor:</b>	15 N/mm <sup>2</sup>



*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 copper bare

**Nominal voltage U<sub>0</sub>:** 0.6 kV

**Nominal voltage U:** 1 kV

**Maximum permitted operating voltage in** 1.2 kV

**three-phase systems:**

**Test voltage:** 3 kV

**Core identification:** colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	Cu	G [kg]
054647	3x2.5+3x2.5/3E+3x1.5 St YE	7.98	30	18.9	198	470
054498	3x6+3x6/3E+3x1,5 St YE	3.3	53	20.9	341	620
054507	3x10+3x10/3E+3x2,5 St YE	1.91	74	24.7	514	940
054493	3x16+3x16/3E+3x2,5 St YE	1.21	99	29.1	754	1310
054499	3x25+3x16/3E+3x2,5 St YE	0.78	131	32.5	1042	1740
054500	3x35+3x16/3E+3x2,5 St YE	0.554	162	36.7	1368	2240
054508	3x50+3x25/3E+3x2,5 St YE	0.386	202	43	1896	3160
054649	3x70+3x35/3E+3x2.5 St YE	0.277	250	46.8	2587	4210
054494	3x95+3x50/3E+3x2,5 St YE	0.206	301	53.6	3509	5520
054650	3x150+3x70/3E+3x2.5 St YE	0.129	404	58.3	5414	7250
054651	3x150+3x95/3E+3x2.5 St YE	0.129	404	63.9	5304	8220
054652	3x185+3x95/3E+3x2.5 St YE	0.106	461	70.6	6504	9700
054495	3x120+3x70/3E+3x2,5 St YE	0.161	352	57.9	4440	6730

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000