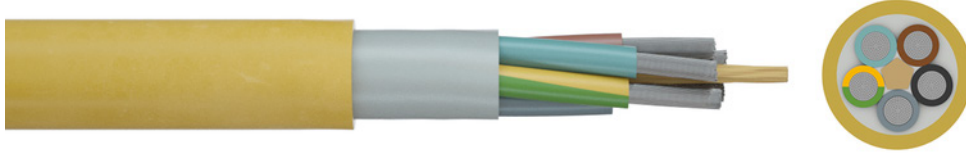


# Rubber cable NSSHOEU

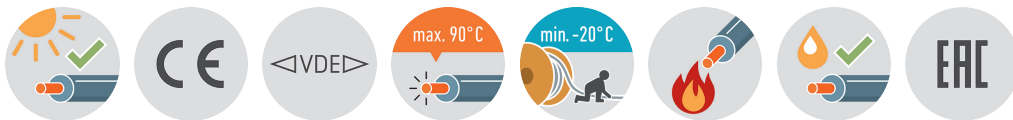


**Application:** Designed to withstand high mechanical stress. For the connection of heavy duty underground mining, industrial and construction equipment, in dry and damp areas and outdoors. The cable is largely flame- and oil-resistant.

Remark on REACH: The following substances from the REACH candidate list are used for all products on this datasheet with a proportion of more than 0.1 %:  
CAS 85535-85-9

## Construction and technical data:

<b>Standard:</b>	VDE 0250 T. 812
<b>Conductor material:</b>	tinned copper
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber (EPR) 3GI3
<b>Sheathing material:</b>	rubber (CR) 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>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.*

bending radius acc. DIN EN 50565-1

application	<8 mm	8-12 mm	12-20 mm	> 20 mm
fixed installation		3D		4D
free movement		5D		6D
cable entry		5D		6D

**NSSHÖEU-J****Nominal voltage U<sub>o</sub>:** 0.6 kV**Nominal voltage U:** 1 kV**Test voltage:** 3 kV**Protective conductor:** yes**Core identification:** colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	R <sub>bv</sub> [mm]	R <sub>bb</sub> [mm]	Ø [mm]	F <sub>zv</sub> [N]	Cu	G [kg]
050128	03X1.5	13.7	23	50	63	12.5	67	43	200
050129	03X2.5	8.21	30	53	66	13.2	112	72	260
050130	03X4	5.09	41	65	81	16.2	180	115	380
051843	03X6	3.39	53	67	82	16.8	270	173	447
052833	03X16	1.24	99	102	153	25.5	720	461	940
051844	03X25	0.795	162	111	139	27.7	1125	720	27.7
052234	03X240	0.0817	547	306	337	67.4	10800	6912	9810
050140	03X70/35	0.277	250	178	223	44.6	3150	2352	4460
050141	03X95/50	0.21	301	212	266	52	4275	3216	5910
050212	03X120/70	0.164	352	216	270	57	5400	4128	7300
050891	03X150/70	0.132	404	292	366	60	7800	4992	7119
053651	03X240/120	0.0801	547	325	487	81.2	12600	8064	12614
050131	04X1.5	13.7	23	50	63	12.6	90	58	230
050132	04X2.5	8.21	30	64	80	15.9	150	96	350
050133	04X4	5.09	41	70	88	17.5	240	154	450
050134	04X6	3.39	53	76	94	18.8	360	230	560
050135	04X10	1.95	74	92	115	23	600	384	860
050136	04X16	1.24	99	110	137	26	960	614	1350
050137	04X25	0.795	131	138	173	32	1500	960	2010
050138	04X35	0.565	162	146	182	34.5	2100	1344	2590
050139	04X50	0.393	202	166	208	40.5	3000	1920	3660
050239	04X70	0.277	250	186	233	45	4200	2688	4605
050234	04X95	0.21	301	227	284	52	5700	3648	6400
050235	04X120	0.164	352	262	328	58	7200	4608	7705
050236	04X150	0.132	404	293	366	63	9000	5760	8200
050468	04X185	0.108	461	305	381	70	11100	7104	10604
052288	04X240	0.0801	547	311	389	76.4	14400	9216	12234
050142	05X1.5	13.7	23	60	76	15.1	112	72	255
050143	05X2.5	8.21	30	69	86	17.2	187	120	385
050144	05X4	5.09	41	78	97	19.4	300	192	560
050145	05X6	3.39	53	86	107	21.4	450	288	670
050146	05X10	1.95	74	94	118	23.5	750	480	1000
050147	05X16	1.24	99	120	151	30.1	1200	768	1570
050148	05X25	0.795	131	142	178	35.5	1875	1200	2340
050237	05X35	0.565	162	176	221	44.1	2625	1680	3400
051271	05X50	0.393	202	192	240	47.4	3750	2400	3850
051272	05X70	0.277	250	220	275	54.2	5250	3360	5230
051151	05X95	0.21	301	242	303	60.6	7125	4560	6730
051273	05X120	0.164	352	260	325	64.8	9000	5760	8500
050149	07X1.5	13.7	23	68	85	16.9	157	101	410
050150	07X2.5	8.21	30	78	98	19.5	262	168	500
050151	10X1.5	13.7	23	82	103	20.5	225	144	545
050764	11X1.5	13.7	23	88	111	22.1	247	158	600
051188	12X1.5	13.7	23	200	250	20.1	270	173	550
050152	12X2.5	8.21	30	86	108	22.9	450	288	770
051656	14X4	5.09	41	106	160	26.6	840	538	1140
051189	18X1.5	13.7	13.7	115	92	23.1	405	259.2	730

part no.	part name	RI [Ohm/km]	Ibl [A]	Rbv [mm]	Rbb [mm]	Ø [mm]	Fzv [N]	Cu	G [kg]
050153	18X2.5	8.21	30	111	139	27.8	675	432	1160
052235	21X2.5	8.21	30	118	148	29.6	787	504	1232
051379	19X1.5	13.7	23	95	119	23.7	427	274	750
051380	24X1.5	13.7	23	109	137	27.3	540	346	906
051190	24X2.5	8.21	30	124	155	30.9	900	576	1356
051890	50X1.5 (with reference to)	13.7	23	145	181	36.1	1125	720	1733

## NSSH0EU-O

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

**Nominal voltage U:** 1 kV

**Test voltage:** 3 kV

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

part no.	part name	DI [mm]	RI [Ohm/km]	Ibl [A]	Rbv [mm]	Rbb [mm]	Ø [mm]	Fzv [N]	Cu	G [kg]
050121	01X16	5.5	1.24	132	46	57	11.4	240	154	260
050359	01X25	6.4	0.795	176	52	66	13.1	375	240	400
050190	01X35	7.5	0.565	218	58	73	14.5	525	336	500
050122	01X50	9	0.393	276	76	95	19	750	480	680
050123	01X70	10.8	0.277	347	80	100	20	1050	672	900
050124	01X95	12.6	0.21	416	89	111	22.2	1425	912	1150
050125	01X120	14.3	0.164	488	96	120	24	1800	1152	1440
050410	01X150	15.9	0.132	566	108	136	27.1	2250	1440	1750
050434	01X185	17.5	0.108	644	121	151	30.2	2775	1776	2180
050422	01X240	20.5	0.0817	775	137	171	34.2	3600	2304	2790
050557	01X300	23.1	0.0654	898	168	211	42.1	4500	2880	3460
053299	01X400	26.2	0.0486		162	243	40.5	6000	3840	4284
050227	02X1.5	1.8	13.7	23	47	59	11.8	45	29	190
050738	02X2.5	2.4	8.21	30	51	64	12.8	75	48	210

DI	diameter conductor
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