



Application: At high mechanical stresses for the connection of heavy-duty underground mining, industrial and construction equipment, in dry and damp areas, and outdoors. The cable is largely flame-resistant and oil-proof.



Flexible class 5



Maximum temperature at conductor 90°C



Max. operating temperature, fixed: -40 - +80 °C



Temperature, moved/during installation: -20 - +80 °C



Nominal voltage  $U_0$ : 600 V



Nominal voltage  $U$ : 1 kV  
Test voltage: 3 kV



Installation in free air without protection (cable UV-resistant)



Oil resistant: EN 60811-2-1



VDE 0482-332-1-2/IEC 60332-1

## Construction

**conductor material:** tinned copper

**conductor construction:** fine stranded, class 5

**insulation:** rubber (EPR) 3GI3, halogen-free

**arrangement of protective conductors:**  
copper wires on each core

**sheathing material:** rubber (CR) 5GM5

**flame retardant:** VDE 0482-332-1-2/IEC 60332-1

**oil resistant:** EN 60811-2-1

**ozone resistant:** yes

# NSSHÖu /3E

## Rubber insulated cable



p/n	part name	$R_l$ ( $\Omega$ /km)	$I_{bl}$ (A)	$R_{bb}$ (mm)	$R_{bv}$ (mm)	$D_A$ mm	$F_z$ (N)	Cu (kg/km)	G (kg)
E-050821	(N)SSHOEU 03X2,5 + 03X2,5/3E GE	8,21	30	83	66	16,5	1200	144	370
E-051259	(N)SSHOEU 3X4 + 3 X4/3E + 3X1,5 St GE	19,4				19,4		285	600
E-050822	(N)SSHOEU 03X6 + 03X6/3E GE	3,39	53	98	78	19,5	270	298	602
E-050823	(N)SSHOEU 03X10 + 03X10/3E GE	1,95	74	121	96	24,1	450	442	912
E-050824	(N)SSHOEU 03X95 + 03X50/3E GE	0,21	301	276	221	55,2	4275	3437	5391
E-050825	(N)SSHOEU 03X2,5 + 03X2,5/3E + 03X1,5 St GE	8,21	30	96	76	18,9		198	470
E-050826	(N)SSHOEU 03X6 + 03X6/3E + 03X1,5 St GE	3,39	53	111	89	20,9	270	341	620
E-050827	(N)SSHOEU 03X10 + 03X10/3E + 03X2,5 St GE	1,95	74	126	100	24,7	450	514	940
E-050828	(N)SSHOEU 03X16 + 03X16/3E + 03X2,5 St GE	1,24	99			29,1	720	754	1310
E-050829	(N)SSHOEU 03X25 + 03X16/3E + 03X2,5 St GE	0,795	131	161	128	32,5	1125	1042	1740
E-050830	(N)SSHOEU 03X35 + 03X16/3E + 03X2,5 St GE	0,565	162	180	144	36,7	1575	1368	2240
E-050831	(N)SSHOEU 03X50 + 3X25/3E + 03X2,5 St GE	0,393	202	216	173	43	2250	1896	3160
E-050832	(N)SSHOEU 03X70 + 03X35/3E + 03X2,5 St GE	0,277	250	231	184	46,8	3150	2587	4210
E-050833	(N)SSHOEU 03X95 + 03X50/3E + 03X2,5 St GE	0,21	301	271	217	53,6	4275	3509	5520
E-050834	(N)SSHOEU 03X120 + 03X70/3E + 03X2,5 St GE	0,164	352	310	248	57,9	5400	4440	6730
E-051039	(N)SSHOEU 03X150 + 03X95/3E + 03X2,5 St GE	0,132	404	384	256	63,9	6750	5304	8220

$R_l$  = conductor resistance

$I_{bl}$  = ampacity (in air)

$R_{bb}$  = bending radius, moved application

$R_{bv}$  = bending radius, fixed installation

$D_A$  = outer diameter

$F_z$  = tensile strength (during installation)

Cu = copper

G = weight