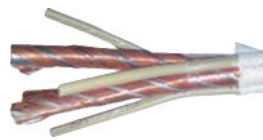


# NSSHÖEU 0.6/1 kV : Mining cable for general use

3GI3 insulation, GM1b and 5GM5 rubber sheath



NYX CABLE NSSHÖEU 0.6/1KV 3x150+3x70/3E 0001m

## Benefits

- Ozone resistance
- High impact strength
- Enhanced abrasion resistance
- Resistance to oil, grease and chemicals
- High insulation resistance
- Excellent resistance to heat pressure

## Cable structure

- Stranded tinned copper conductor, fine wire
- Strand structure to VDE 0295 class 5/ IEC 60228 class 5
- Core 3GI3 rubber insulation (Ethylene-Propylene Rubber/EPR) to DIN VDE 0207 part 20
- Core identification colour coded to VDE 0293-308 with green-yellow protective conductor
- Type 3/E has individual tinned copper screens over the insulation
- Cored twisted in layers , with optimal lay lengths
- Rubber innersheath GM1b elastomer compound to DIN VDE 0207 part 21
- Type kon has overall tinned copper screens
- Outer sheath elastomer outer sheath 5GM5 (Chloroprene Rubber/CR : Neoprene), to DIN VDE 0207 part 21, oil-resistant
- Sheath yellow colour with type marking

## Application

Heavy-duty rubber-sheathed flexible cable for the connection of mobile equipment, motors and machines when exposed to extreme mechanical strain. Suitable for use in dry and damp environments and for outdoor and stationary surface installation. Employed in underground mining, open pit mining, tunneling, on construction sites, quarried as well as for industrial applications, conveyors, agricultural and commercial locations and areas exposed to explosion hazards.

## Electrical and technical specifications

- Rated voltage  $U_0/U$  600/1000 V
- Test voltage 3000 V
- Insulation resistance @ +20°C >20 MOhm x km
- Bending radius:
  - Flexible 8 x cable diameter
  - Stationary 4 x cable diameter
- Temperature range:
  - Flexible -20°C to +80°C
  - Stationary -40°C to +80°C
- Flame retardant to IEC 60332-1-2

Part NO.	Core x Conductor size (mm <sup>2</sup> )	Outer Dai.* (mm)	Tensile force max. (N)	Cu Weight* (kg/km)	Weight* (kg/km)	Conductor Resistance @ 20°C (Ohm/km)
<b>(N)SSHÖU-J</b>						
798161 500311	3X1.5	11 - 14	68	44	250	13.3
798162 500311	3X2.5	13 - 16	113	72	300	7.98
798161 500411	4X1.5	13 - 16	90	58	300	13.3
798162 500411	4X2.5	15 - 18	150	96	400	7.98
798164 000411	4X4	17 - 20	240	154	500	4.95
798166 000411	4X6	19 - 22	360	231	600	3.3
798167 100411	4X10	23 - 26	600	384	950	1.91
798167 160411	4X16	27 - 30	960	615	1400	1.21
798167 250411	4X25	33 - 37	1500	960	2100	0.78
798167 350411	4X35	35 - 39	2100	1344	2600	0.554
798167 500411	4X50	42 - 46	3000	1920	3700	0.386
798167 700411	4X70	45 - 49	4200	2688	4600	0.272
798167 950411	4X95	53 - 57	5700	3648	6300	0.206
798169 120411	4X120	59 - 63	7200	4608	7800	0.161

\* คือค่าโดยประมาณ

\* It is approximate value

- ความยาวมาตรฐาน คือ 100 ม., 500 ม. และ 1,000 ม. ขึ้นอยู่กับขนาดเส้นผ่านศูนย์กลางของสายไฟ  
- Standard length is 100 m, 500 m and 1,000 m depend on OD of cable

# NSSHÖEU 0.6/1 kV : Mining cable for general use

3GI3 insulation, GM1b and 5GM5 rubber sheath



Part NO.	Core x Conductor size (mm <sup>2</sup> )	Outer Dai.* (mm)	Tensile force max. (N)	Cu Weight* (kg/km)	Weight* (kg/km)	Conductor Resistance @ 20°C (Ohm/km)
<b>(N)SSHÖU-O</b>						
798164 000511	5X4	19 - 22	300	192	600	4.95
798166 000511	5X6	21 - 24	450	288	750	3.30
798162 500711	7X2.5	18 - 21	263	168	600	7.98
798162 501211	12X2.5	23 - 26	450	288	850	7.98
798162 501911	19X2.5	28 - 32	713	456	1200	7.98
798157 160111	1X16	11 - 14	240	154	250	1.21
798157 250111	1X25	13 - 18	375	240	400	0.780
798157 350111	1X35	14 - 18	525	336	500	0.554
798157 500111	1X50	16 - 19	750	480	700	0.386
798157 700111	1X70	18 - 21	1050	672	950	0.272
798157 950111	1X95	20 - 24	1425	912	1200	0.206
798159 120111	1X120	23 - 26	1800	1152	1500	0.161
798159 150111	1X150	25 - 28	2250	1440	1800	0.129
798159 180111	1X185	28 - 31	2775	1776	2300	0.106
798159 240111	1X240	32 - 36	3600	2304	3000	0.0801
<b>(N)SSHÖU+3E</b>						
798172 500611	3X2.5+3X2.5/3E	16 - 19	150	96	350	7.98
798174 000611	3X4+3X4/3E	19 - 22	240	154	500	4.95
798176 000611	3X6+3X6/3E	20 - 23	360	231	600	3.30
798177 100611	3X10+3X10/3E	24 - 28	600	384	950	1.91
798177 160611	3X16+3X16/3E	27 - 30	960	615	1200	1.21
798177 250611	3X25+3X16/3E	29 - 33	1365	874	1800	0.780
798177 350611	3X35+3X16/3E	34 - 38	1815	1162	2300	0.554
798177 500611	3X50+3X25/3E	40 - 44	2625	1680	3300	0.386
798177 700611	3X70+3X35/3E	44 - 48	3675	2352	4100	0.272
798177 950611	3X95+3X50/3E	50 - 55	5025	3216	5500	0.206
798179 120611	3X120+3X70/3E	55 - 60	6450	4128	6800	0.161
798179 150611	3X150+3X70/3E	59 - 64	7800	4992	8000	0.129
<b>(N)SSHÖU+3E+3St</b>						
798182 500911	3X2.5+3X2.5/3E+3X1.5St	18 - 20	218	140	500	7.98
798184 000911	3X4+3X4/3E+3X1.5St	19 - 22	308	197	550	4.95
798186 000911	3X6+3X6/3E+3X1.5St	20 - 24	428	274	650	3.30
798187 100911	3X10+3X10/3E+3X2.5St	24 - 28	713	456	1000	1.91
798187 160911	3X16+3X16/3E+3X2.5St	27 - 30	1073	687	1300	1.21
798187 250911	3X25+3X16/3E+3X2.5St	30 - 34	1478	946	1800	0.780
798187 350911	3X35+3X16/3E+3X2.5St	34 - 38	1928	1234	2400	0.554
798187 500911	3X50+3X25/3E+3X2.5St	40 - 44	2738	1752	3200	0.386
798187 700911	3X70+3X35/3E+3X2.5St	44 - 48	3788	2424	4200	0.272
798187 950911	3X95+3X50/3E+3X2.5St	48 - 53	5138	3288	5600	0.206
798189 120911	3X120+3X70/3E+3X2.5St	51 - 56	6563	4200	6800	0.161
798189 150911	3X150+3X70/3E+3X2.5St	59 - 64	7913	5064	8100	0.129
<b>(N)SSHÖU/kon</b>						
798192 500411	3X2.5/2.5kon	15 - 18	150	96	350	7.98
798192 500611	5X2.5/2.5kon	19 - 23	225	144	500	7.98
798194 000611	5X4/4kon	20 - 23	360	231	650	4.95
798196 000611	5X6/6kon	21 - 24	540	346	800	3.30
798191 501111	10X1.5/1.5kon	20 - 24	248	159	800	13.3
798192 501111	10X2.5/2.5kon	26 - 29	413	264	1100	7.98

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