CLEVELAND CABLE COMPANY

NSSHOEU 0.6/1 kV

NSSHOEU is a Heavy duty, flame retardant, abrasion resistant, tear resistant, oils and fats resistant flexible cable for use in harsh environments. NSSHOEU is used for supplying power and control of equipment in mines, quarries, industrial plants, agricultural applications and where mechanical stress and abrasion is likely.
The cable can be installed inside or outside in dry, damp or wet environments and in hazardous environments. It is submersible to 100M in fresh water, salt water, waste water, storm water, oily water and sewage contaminated water. . This is a large family of cables which comes with or without individual earth screened cores.

Key Features

Voltage Rating
600/1000 Volts

Minimum Bending Radius
Fixed: 4 x overall diameter

Minimum Bending Radius
Flexing: 5 x overall diameter

Oils, Greases and Chemicals Resistant
Yes

Abrasion/Tear Resistance
Yes

UV/Ozone Resistance
Yes

Water Resistance
Yes

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Fixed: -40°C to +80°C

Temperature Limits
Temperature Range: -15°C to + 90°C
Maximum short-circuit temperature: 250°C

Temperature Limits
Flexing -25°C to +80°C

Construction

- **Phase Conductor**: Class 5 flexible tinned copper conductor
- **Control Conductors**: Class 5 flexible tinned copper conductor
- **Individual Core Screen**: Up to 10mm^2 Copper braid

From 16mm^2 Copper wires

- **Insulation**: Quality Rubber Compound, according to VDE 0207 Part 20
- **Inner Sheath**: GM1b quality rubber compound, according to VDE 0207 part 21
- **Outer Sheath**: Special heavy duty rubber compound according to VDE 0207 part 21
- **Sheath Colour**: Yellow

Standards

- IEC 60228
- Flame Propagation according to IEC/EN 60332-1-2
- VDE 0298 Part 3
- VDE 0298 Part 4
- VDE 0250 PT812
- VDE 0207 PT20
- VDE 0295
- VDE 0293 Colour codes for multi core cable

NSSHOEU 0.6/1 kV - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Nominal Conductor Diameter	Max Overall Dia	Minimum Bending Radius	Weight(Kg/Km)
1KVNSSHOEUN SSHOEU1X1/5	1.5	1	1.5	7.0	35	75
1KVNSSHOEUN SSHOEU7X1/5	1.5	1.5	1.5	18.0	90	425
1KVNSSHOEUN SSHOEU12X1/5	1.5	1.5	1.5	20.5	103	550
1KVNSSHOEUN SSHOEU18X1/5	1.5	1.5	1.5	23.5	118	785
1KVNSSHOEUN SSHOEU24X1/5	1.5	1.5	1.5	25.5	128	925
1KVNSSHOEUN SSHOEU2X1/5	1.5	2	1.5	12.2	61	175
1KVNSSHOEUN SSHOEU3X1/5	1.5	3	1.5	12.5	63	230
1KVNSSHOEUN SSHOEU4X1/5	1.5	4	1.5	13.5	68	240
1KVNSSHOEUN SSHOEU5X1/5	1.5	5	1.5	14.5	73	285
1KVNSSHOEUN SSHOEU1X2/5	2.5	1	2.0	8.0	40	90
1KVNSSHOEUN SSHOEU7X2/5	2.5	1.9	2.0	20.0	100	570
1KVNSSHOEUN SSHOEU12X2/5	2.5	1.9	2.0	23.5	118	800
1KVNSSHOEUN SSHOEU18X2/5	2.5	1.9	2.0	28.0	140	1125
1KVNSSHOEUN SSHOEU24X2/5	2.5	1.9	2.0	30	150	1375
1KVNSSHOEUN SSHOEU2X2/5	2.5	2	2.0	13.5	68	230
1KVNSSHOEUN SSHOEU3X2/5	2.5	3	2.0	14.0	70	295
1KVNSSHOEUN SSHOEU4X2/5	2.5	4	2.0	16.0	80	375
1KVNSSHOEUN SSHOEU5X2/5	2.5	5	2.0	17.5	88	425
1KVNSSHOEUN SSHOEU1X4	4	1	2.5	8.5	43	120
1KVNSSHOEUN SSHOEU2X4	4	2	2.5	16.3	82	335
1KVNSSHOEUN SSHOEU3X4	4	3	2.5	16.5	83	425
1KVNSSHOEUN SSHOEU4X4	4	4	2.5	17.5	88	465
1KVNSSHOEUN SSHOEU5X4	4	5	2.5	18.5	93	550
1KVNSSHOEUN SSHOEU1X6	6	1	3.0	9.5	48	140

Reference	Conductor Size (mm2)	No Of Cores	Nominal Conductor Diameter	Max Overall Dia	Minimum Bending Radius	Weight(Kg/Km)
1KVNSSHOEUNSSHOEU2X6	6	2	3.0	17.4	87	410
1KVNSSHOEUNSSHOEU3X6	6	3	3.0	17.5	88	525
1KVNSSHOEUNSSHOEU4X6	6	4	3.0	19.0	95	585
1KVNSSHOEUNSSHOEU5X6	6	5	3.0	22.0	110	750
1KVNSSHOEUNSSHOEU1X10	10	1	3.9	10.5	53	195
1KVNSSHOEUNSSHOEU2X10	10	2	3.9	20.5	103	595
1KVNSSHOEUNSSHOEU3X10	10	3	3.9	21.5	108	780
1KVNSSHOEUNSSHOEU4X10	10	4	3.9	23.5	118	895
1KVNSSHOEUNSSHOEU5X10	10	5	3.9	25.0	125	1075
1KVNSSHOEUNSSHOEU1X16	16	1	5.0	11.5	58	275
1KVNSSHOEUNSSHOEU2X16	16	2	5.0	23.5	118	795
1KVNSSHOEUNSSHOEU3X16	16	3	5.0	23.5	117.5	995
1KVNSSHOEUNSSHOEU4X16	16	4	5.0	26.5	133	1245
1KVNSSHOEUNSSHOEU5X16	16	5	5.0	29.0	145	1520
1KVNSSHOEUNSSHOEU1X25	25	1	6.2	14.0	70	395
1KVNSSHOEUNSSHOEU2X25	25	2	6.2	28.0	140	1155
1KVNSSHOEUNSSHOEU3X25	25	3	6.2	28.0	140	1450
1KVNSSHOEUNSSHOEU4X25	25	4	6.2	32.0	160	1855
1KVNSSHOEUNSSHOEU5X25	25	5	6.2	35.0	175	2275
1KVNSSHOEUNSSHOEU1X35	35	1	7.3	17.0	88	495
1KVNSSHOEUNSSHOEU2X35	35	2	7.3	30.0	150	1295
1KVNSSHOEUNSSHOEU3X35	35	3	7.3	30.5	153	1925
1KVNSSHOEUNSSHOEU4X35	35	4	7.3	35.0	175	2350
1KVNSSHOEUNSSHOEU5X35	35	5	7.3	40.0	200	2895
1KVNSSHOEUNSSHOEU1X50	50	1	9.2	19.5	98	675

Reference	Conductor Size (mm2)	No Of Cores	Nominal Conductor Diameter	Max Overall Dia	Minimum Bending Radius	Weight(Kg/Km)
1KVNSSHOEUNSSHOEU3X50	50	3	9.2	36.0	180	2550
1KVNSSHOEUNSSHOEU4X50	50	4	9.2	40.5	203	3350
1KVNSSHOEUNSSHOEU5X50	50	5	9.2	46.5	233	3850
1KVNSSHOEUNSSHOEU1X70	70	1	11.0	19.0	95	895
1KVNSSHOEUNSSHOEU3X70	70	3	11.0	40.0	200	3510
1KVNSSHOEUNSSHOEU4X70	70	4	11.0	45.0	245	4350
1KVNSSHOEUNSSHOEU5X70	70	5	11.0	53.2	261	5195
1KVNSSHOEUNSSHOEU1X95	95	1	12.5	22.0	110	1175
1KVNSSHOEUNSSHOEU3X95	95	3	12.5	46.0	230	4525
1KVNSSHOEUNSSHOEU4X95	95	4	12.5	52.0	260	5750
1KVNSSHOEUNSSHOEU5X95	95	5	12.5	60.0	300	6695
1KVNSSHOEUNSSHOEU1X120	120	1	14.5	24.0	120	1455
1KVNSSHOEUNSSHOEU3X120	120	3	14.5	48.5	243	5295
1KVNSSHOEUNSSHOEU4X120	120	4	14.5	57.5	288	6895
1KVNSSHOEUNSSHOEU1X150	150	1	16.0	26.5	133	1795
1KVNSSHOEUNSSHOEU3X150	150	3	16.0	53.0	265	6545
1KVNSSHOEUNSSHOEU4X150	150	4	16.0	63.5	318	8355
1KVNSSHOEUNSSHOEU1X185	185	1	18.0	29.5	148	2250
1KVNSSHOEUNSSHOEU3X185	185	3	18.0	59.5	298	8075
1KVNSSHOEUNSSHOEU4X185	185	4	18.0	71.0	355	10420
1KVNSSHOEUNSSHOEU1X240	240	1	20.5	32.5	163	2855
1KVNSSHOEUNSSHOEU1X300	300	1	22.5	36.5	183	3600

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