

NSSHOEU-J 0.6/1 kV : Mining cable for general use

Tinned copper conductor, 3GI3 insulation and GM1b inner sheath with 5GM5 rubber sheath



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

Benefits

- Ozone resistance and moisture
- 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
- 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
3 Cores: G/Y, Brown, Blue
4 Cores: G/Y, Brown, Black, Grey
- Cored twisted in layers , with optimal lay lengths
- EPR Rubber innersheath GM1b elastomer compound to DIN VDE 0207 part 21
- 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
- Max. operating voltage AC: 0.7/1.2kV
- Max. operating voltage DC: 0.9/1.8kV
- Insulation resistance @+20°C >20 MOhm x km
- Bending radius:
 - Flexible 8 x cable diameter
 - Stationary 4 x cable diameter
- Temperature range:
 - Flexible -25°C to +80°C
 - Stationary -40°C to +80°C
- Max. Conductor Operating Temp.: 90°C
- Conductor Short-Circuit Temp.: 250°C (Max. 5 sec)
- Permissible Twisting Angle: $\pm 50^\circ/\text{m}$
- Max. tensile load on the cable 15 N/mm²
- Flame retardant to IEC 60332-1-2 DIN VDE 0250 part 812
DIN VDE 0298-3, DIN VDE 0250-1 DIN VDE 0472-501

Part NO.	Conductor size (mm ²)	Outer Dia.* (mm)	Cu Weight* (kg/km)	Weight* (kg/km)	Conductor Resistance @ 20°C (Ohm/km)	Current carrying capacity (A)	Short Circuit current (conductor 1sec.(kA)
NSSHOEU-J							
798167 160411	4x16	27 - 30	615	1400	1.21	99 @ 30°C	2.29
798179 120611	3x120+3x70/3	55 - 60	4128	6800	0.161	306 @ 45°C	14.64

* 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