

NSUX SERIES

Standard Performance Fixed Neutral
Screen Cable XLPE 0.6/1kV 90°C



APPLICATIONS:

Consumer Mains Underground domestic and commercial subdivisions.

Internal Wiring Fixed applications between distributions boards.

PRODUCT FEATURES:

- ▶ 3.2mm SPVC Sheath for direct burial without added mechanical protection
- ▶ SPVC sheath for ease of installation
- ▶ Suitable for circuits buried direct
- ▶ Metre marked for better length control
- ▶ UV Stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

Conductor Annealed plain copper stranded (Class 2).

Insulation X-90.

Sheath SPVC.

CHARACTERISTICS:

Operating Temperature Range -15 to 90°C

Maximum Conductor Temperature 90°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U_o/U 0.6/1kV.

Minimum Bending Radius Fixed 12 x cable diameter.

Sheath Colour Black.

Standard Core Colours

Single: Red

2 Cores: Red, White.

3 Cores: Red, White, Blue.

4 Cores: Red, White, Blue, Black.

Relevant Standards AS/NZS 1125, AS/NZS 3808, AS/NZS 4961, AS/NZS 5000.1, **RoHS** Compliant.

Product table continued over ▶

NSUX SERIES continued

Code	No. of Cores x Size (mm ²)	Approx. Stranding no. of Wires x mm	Approx. Overall Diameter (H x W) (mm x mm)	Nominal Outer Sheath Thickness (mm)	Approx. Weight (Kg/Km)	Nominal Amps @ 30°C Fixed Installation			Single Phase Volt Drop 75°C (mV/Am)
						Wiring enclosure in air (touching)	Buried direct	Under ground wiring	
NSUX1/16	1 x 16	7/1.70	15.0	3.2	490	107	141	105	2.81
NSUX1/25	1 x 25	7/2.14	17.4	3.2	710	144	182	137	1.78
NSUX1/35	1 x 35	19/1.53	19.1	3.2	930	178	219	165	1.28
NSUX1/50	1 x 50	19/1.78	21.2	3.2	1240	217	261	198	0.96
NSUX1/70	1 x 70	19/2.14	23.5	3.2	1630	275	321	244	0.67
NSUX1/95	1 x 95	37/1.78	26.4	3.2	2160	340	385	299	0.50
NSUX2/25	2 x 25	7/2.14	16.3 x 24.1	3.2	1060	144	182	137	1.78
NSUX2/35	2 x 35	19/1.53	17.3 x 26.1	3.2	1410	178	219	165	1.28

Code	No. of Cores x Size (mm ²)	Approx. Stranding no. of Wires x mm	Approx. Overall Diameter (H x W) (mm x mm)	Nominal Outer Sheath Thickness (mm)	Approx. Weight (Kg/Km)	Nominal Amps @ 30°C Fixed Installation			Three Phase Volt Drop 75°C (mV/Am)
						Wiring enclosure in air (touching)	Buried direct	Under ground wiring	
NSUX3/25	3 x 25	7/2.14	25.4	3.2	1400	122	153	114	1.54
NSUX3/35	3 x 35	19/1.53	28.0	3.2	1840	151	184	139	1.11
NSUX3/50	3 x 50	19/1.78	31.8	3.2	2290	185	218	166	0.83
NSUX3/70	3 x 70	19/2.14	36.6	3.2	3160	234	269	207	0.58
NSUX3/95	3 x 95	37/1.78	40.5	3.2	4160	289	323	249	0.43
NSUX4/25	4 x 25	7/2.14	27.5	3.2	1690	122	153	114	1.54
NSUX4/35	4 x 35	19/1.53	30.3	3.2	2260	151	184	139	1.11
NSUX4/50	4 x 50	19/1.78	33.9	3.2	2830	185	218	166	0.83
NSUX4/70	4 x 70	19/2.14	39.1	3.2	3940	234	269	207	0.58
NSUX4/95	4 x 95	37/1.78	44.1	3.2	5200	289	323	249	0.43