

Rubber Cable

RALOS

3.3kV 110° Single Core SDI

Highly flexible single core, SDI, 3.3kV rubber cable

Construction:

Class 5 fine wire stranded tinned copper conductors, EPR insulated (white), sheathed with a CPE 5GM3 rubber compound (Black), rated to 110°C, metre marked.

Application:

Suitable for the wiring of traction vehicles, switchboard wiring, and submersible pump applications.

Features:

- UV resistant
- Oil resistant
- Varnish resistant
- Submersible to 300 metres
- Abrasion resistant
- Tinned copper conductors
- Flame retardant

Minimum Bending Radius:

Flexing: 5 x cable diameter
Fixed: 4 x cable diameter

Nominal Voltage:

AC voltage 1.9/3.3KV
DC voltage 2.85/4.95KV

Temperature Range:

Flexing: -25°C to +110°C
Fixed: -35°C to +110°C



Part No.	Description	Conductor Diameter	Insulation Thickness	Sheath Thickness	Overall Diameter	Approx. Weight	Current Carrying Capacity (ThreePhase)	Max. 20 D.C Conductor Resistance
		mm	mm	mm	(mm)	(kg/km)	A	Ω/km
3.3KV1X2.5	2.5mm² NSGAFOU 3.3kV 110°C	2.1	1.3	0.8	6.5 – 7.5	67	42	8.21
3.3KV1X4	4mm² NSGAFOU 3.3kV 110°C	2.7	1.3	0.8	7.0 -8.5	87	55	5.09
3.3KV1X6	6mm² NSGAFOU 3.3kV 110°C	3.3	1.3	0.8	8.0 - 9.5	112	70	3.39
3.3KV1X10	10mm² NSGAFOU 3.3kV 110°C	4.3	1.5	0.8	9.5 - 11.0	169	99	1.95
3.3KV1X16	16mm² NSGAFOU 3.3kV 110°C	5.3	1.5	0.8	11.5 - 13.0	233	130	1.24
3.3KV1X25	25mm² NSGAFOU 3.3kV 110°C	6.7	1.8	1.0	13.5 - 15.0	360	173	0.795
3.3KV1X35	35mm² NSGAFOU 3.3kV 110°C	8.0	1.8	1.0	15.0 - 16.5	469	214	0.565
3.3KV1X50	50mm² NSGAFOU 3.3kV 110°C	9.9	1.8	1.0	16.5 - 18.0	630	270	0.393
3.3KV1X70	70mm² NSGAFOU 3.3kV 110°C	11.4	1.8	1.0	18.5 - 20.5	817	340	0.277
3.3KV1X95	95mm² NSGAFOU 3.3kV 110°C	13.3	2.2	1.0	21.0 - 23.0	1081	410	0.21
3.3KV1X120	120mm² NSGAFOU 3.3kV 110°C	15.3	2.2	1.0	23.0 - 25.0	1345	487	0.164
3.3KV1X150	150mm² NSGAFOU 3.3kV 110°C	17.0	2.2	1.2	26.0 - 28.0	1645	562	0.132
3.3KV1X185	185mm² NSGAFOU 3.3kV 110°C	18.5	2.4	1.2	28.0 - 30.0	1988	644	0.108
3.3KV1X240	240mm² NSGAFOU 3.3kV 110°C	20.1	2.6	1.2	32.0 - 34.5	2587	775	0.0817
3.3KV1X300	300mm² NSGAFOU 3.3kV 110°C	23.5	2.8	1.2	35.0 - 38.0	3271	895	0.0654
3.3KV1X400	400mm² NSGAFOU 3.3kV 110°C	27.8	3.0	1.4	40.0 - 43.0	4280	1079	0.0495
3.3KV1X500	500mm² NSGAFOU 3.3kV 110°C	33.2	3.2	1.6	42.0 – 45.0	5695	1260	0.0391
3.3KV1X630	630mm² NSGAFOU 3.3kV 110°C	37.6	3.4	1.8	47.5 – 51.0	7110	1493	0.0292