

**CABLE STANDARDS**

IEC 60502-2 , ISIRI 3569-2 , IEC 60228, IEC 60332-1-2



**APPLICATION**

To be laid directly in ground, outdoors, indoors and in cable ducts. Medium voltage cables for distribution networks, also for connection to generation units and and also for places where plant and process connection .there are mechanical stresses

**CONSTRUCTION**

**Conductor**

Class 2 stranded aluminum conductor

**Inner Semi-Conductive Layer**

Semi-conductive material

**Insulation**

XLPE (Cross-Linked Polyethylene)

**Outer Semi-Conductive Layer**

Semi-conductive material

**Screen**

Copper wires with copper tape

**Bedding**

PVC (Polyvinyl Chloride)

**Armour**

Steel (Galvanized) Wire

**Sheath**

PVC (Polyvinyl Chloride)

**CHARACTERISTICS**

**Voltage Rating (U<sub>0</sub>,U) (Um)**

6/10 (12) kV

**Test Voltage**

21 KV

**Temperature Rating**

-20°C to +90°C

**Short Circuit Temperature**

+250°C

**Minimum Bending Radius**

15 x Overall Diameter

**Sheath Color**

Red

# NA2XSEYRY

## Al/SC/ XLPE/ SC/ SCT/ CWS/ PVC/ SWA/ PVC - 6/10(12) kV Cable

### Technical Specifications

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		Max DC Conductor Resistance at 20°C Ω.km	Short-circuit Current KA 1.sec Approx	CURRENT CARRYING CAPACITY Amps Approx				Capacitance μf.km Approx	Reactance Ω.km Approx		OVERALL DIAMETER Mm Approx	WEIGHT kg.km Approx
	Conductor mm <sup>2</sup>	Screen mm <sup>2</sup>			Trefoil		Flat			Trefoil	Flat		
			Ground	Air	Ground	Air							
3	25	16	1.20	2.5	119	124	-	-	0.19	0.20	0.27	51.3	4590
3	35	16	0.868	3.4	144	151	-	-	0.21	0.19	0.27	53.8	5016
3	50	16	0.641	4.9	171	181	-	-	0.23	0.18	0.26	56.0	5337
3	70	16	0.443	6.8	209	226	-	-	0.27	0.18	0.25	60.2	6073
3	95	16	0.320	9.2	249	275	-	-	0.31	0.17	0.25	64.9	7127
3	120	16	0.253	11.6	283	317	-	-	0.34	0.17	0.24	68.9	7987
3	150	25	0.206	14.5	316	359	-	-	0.37	0.16	0.24	71.7	8428
3	185	25	0.164	17.8	358	412	-	-	0.40	0.16	0.24	77.8	10449
3	240	25	0.125	23.1	416	489	-	-	0.37	0.16	0.23	83.9	12230
3	300	25	0.100	28.8	469	559	-	-	0.50	0.15	0.23	89.5	14035
3	400	35	0.0778	38.3	532	651	-	-	0.57	0.15	0.23	99.0	17327
3	500	35	0.0605	47.8	599	744	-	-	0.62	0.15	0.22	106.0	19904
3	630	35	0.0469	60.2	669	843	-	-	0.65	0.15	0.22	116.8	24275