

**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 copper 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) Tape

**Sheath**

PVC (Polyvinyl Chloride)

**CHARACTERISTICS**

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

3.6/6 (7.2) kV

**Test Voltage**

12.6 KV

**Temperature Rating**

-20°C to +90°C

**Short Circuit Temperature**

+250°C

**Minimum Bending Radius**

15 x Overall Diameter

**Sheath Color**

Red

# N2XSYBY

## CU/SC/ XLPE/ SC/ SCT/ CWS/ PVC/ STA/ PVC – 3.6/6 (7.2) kV Cable

### Technical Specifications

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		Max DC Conduc tor Resista nce at 20°C  Ω.km	Short- circuit Current  KA 1.sec  Approx	CURRENT CARRYING CAPACITY				Capacitance  μf.km  Approx	Reactance		OVERALL DIAMETER Mm  Approx	WEIGHT  kg.km  Approx	
					Amps  Approx					Ω.km  Approx				
	Conductor				Screen	Trefoil		Flat		Trefoil	Flat			
	mm <sup>2</sup>	mm <sup>2</sup>				Ground	Air	Ground						Air
3	25	16	0.727	3.72	157	162	179	191	0.19	0.19	0.27	43.1	3205	
3	35	16	0.524	5.18	187	195	212	231	0.21	0.18	0.26	45.7	3675	
3	50	16	0.387	7.36	220	234	249	277	0.23	0.17	0.25	48.2	4195	
3	70	16	0.268	10.26	269	292	303	345	0.27	0.17	0.24	51.9	5076	
3	95	16	0.193	13.88	321	354	358	418	0.30	0.16	0.24	56.1	6161	
3	120	16	0.153	17.49	364	407	404	481	0.33	0.16	0.23	59.8	7159	
3	150	25	0.124	21.82	405	460	441	537	0.36	0.15	0.23	63.7	8497	
3	185	25	0.0991	26.87	457	527	493	612	0.40	0.15	0.23	67.6	9861	
3	240	25	0.0754	34.80	528	621	563	716	0.45	0.15	0.22	73.3	11992	
3	300	25	0.0601	43.43	593	709	626	811	0.49	0.15	0.22	78.3	14192	
3	400	35	0.0470	57.82	665	815	676	901	0.56	0.14	0.22	87.5	18481	
3	500	35	0.0366	72.20	739	921	743	1006	0.63	0.14	0.22	95.6	22498	
3	630	35	0.0283	90.88	815	1028	805	1131	0.68	0.14	0.21	108.2	28488	