

N2XBY

XLPE Insulated Armoured Power Cable

(Copper Conductor, XLPE Insulated, Double Galvanized Steel Tape Armoured and PVC Sheathed)



Type of Cable : N2XBY
Rated Voltage : 0.6/1 kV
Size Ranged : 2 x 1.5 ... 50 mm²
 : 2 x 1.5 ... 300 mm²
 : 4 x 1.5 ... 300 mm²
 : 5 x 1.5 ... 50 mm²
Specification : IEC 502
Application : Indoor and Outdoor,
 Installation direct bureal.
Identification of Cores
 Twin-Cores : Light-Blue, Black
 Three-Cores : Light-Blue, Yellow, Black
 Four-Cores : Light-Blue, Red, Yellow, Black
 Five-Cores : Green, Light-Blue, Red, Yellow, Black
Other colour are available on request.

Contruction:

- 1. Conductor : Annealed Copper
- 2. Insulation : Extruded XLPE
- 3. Inner Sheath : Extruded PVC
- 4. Armouring : Helically Galvanized Steel Tape
- 5. Outer Sheath : Extruded PVC

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CONSTRUCTION

No. of Core	Size	Conductor		Wall Thickness		Approx Overall Diameter	Approx Net. Weight	Standard Length	Packing
		Construction	No. of Wire	Insulation	Sheath				
-	mm ²	-	-	mm	mm	mm	kg/km	m	-
2	1.5	re/rm	1/7	0.7	1.8	13.6	249	1,000	Drum
2	2.5	re/rm	1/7	0.7	1.8	14.4	290	1,000	Drum
2	4	re/rm	1/7	0.7	1.8	15.6	355	1,000	Drum
2	6	re/rm	1/7	0.7	1.8	16.6	423	500	Drum
2	10	re/rm	1/7	0.7	1.8	18.6	567	500	Drum
2	16	rm	7	0.7	1.8	20.6	748	500	Drum
2	25	rm	7	0.7	1.8	24.0	1,061	500	Drum
2	35	rm	7	0.9	1.8	26.4	1,347	500	Drum
2	50	rm	7	1.0	2.0	29.6	1,740	500	Drum
3	1.5	re/rm	1/7	0.7	1.8	14.0	273	1,000	Drum
3	2.5	re/rm	1/7	0.7	1.8	15.0	324	1,000	Drum
3	4	re/rm	1/7	0.7	1.8	16.3	500	500	Drum
3	6	re/rm	1/7	0.7	1.8	17.5	491	500	Drum
3	10	re/rm	1/7	0.7	1.8	19.5	672	500	Drum
3	16	rm	7	0.7	1.8	21.7	906	500	Drum
3	25	rm	7	0.9	1.8	25.3	1,305	500	Drum
3	35	rm	7	0.9	1.8	28.0	1,691	500	Drum
3	50	sm	19	1.0	1.8	28.5	1,869	500	Drum
3	70	sm	19	1.1	1.9	31.7	2,529	500	Drum
3	95	sm	19	1.1	2.0	35.7	3,605	500	Drum
3	120	sm	37	1.2	21	38.9	4,410	500	Drum
3	150	sm	37	1.4	2.3	43.0	5,377	500	Drum
3	185	sm	37	1.0	2.4	18.0	6,657	500	Drum
3	240	sm	37	1.7	2.6	53.0	8,509	250	Drum
3	300	sm	37	1.8	2.8	59.2	10,528	250	Drum

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Specification : IEC 502
Other specification are available on request

CHARACTERISTIC

No. of Core	Size	Resistance at 20°C		Current Carrying Capacity at 30°C		Short Circuit Current at 1 Sec.	AC Voltage Test
		Conductor	Insulation	In Ground	In Air		
-	mm ²	Ohm/km	M. Ohm. km	Ampere		kA	kV/5 min
2	1.5	12.1	2,500	33	27	0.21	3.5
2	2.5	7.41	2,100	44	36	0.36	3.5
2	4	4.61	1,800	58	48	0.57	3.5
2	6	3.08	1,500	72	61	0.85	3.5
2	10	1.83	1,200	97	83	1.42	3.5
2	16	1.15	1,100	128	113	2.27	3.5
2	25	0.727	1,100	167	150	3.55	3.5
2	35	0.524	1,000	201	186	4.97	3.5
2	50	0.387	900	239	226	7.10	3.5
3	1.5	12.1	2,500	29	21	0.21	3.5
3	2.5	7.41	2,100	38	28	0.36	3.5
3	4	4.61	1,800	49	37	0.57	3.5
3	6	3.08	1,500	60	47	0.85	3.5
3	10	1.83	1,200	97	64	1.42	3.5
3	16	1.15	1,100	108	86	2.27	3.5
3	25	0.727	1,100	141	115	3.55	3.5
3	35	0.524	1,000	170	142	4.97	3.5
3	50	0.387	900	201	172	7.10	3.5
3	70	0.268	900	249	218	9.94	3.5
3	95	0.193	800	299	269	13.49	3.5
3	120	0.153	800	340	311	17.04	3.5
3	150	0.124	800	381	356	21.30	3.5
3	185	0.0991	800	434	413	26.27	3.5
3	240	0.0754	700	506	491	34.08	3.5
3	300	0.0601	700	585	569	42.60	3.5

CONSTRUCTION

No. of Core	Size	Conductor		Wall Thickness		Approx Overall Diameter	Approx Net. Weight	Standard Length	Packing
		Construction	No. of Wire	Insulation	Sheath				
-	mm ²	-	-	mm	mm	mm	kg/km	m	-
4	1.5	re/rm	1/7	0.7	1.8	14.9	310	1,000	Drum
4	2.5	re/rm	1/7	0.7	1.8	15.9	372	1,000	Drum
4	4	re/rm	1/7	0.7	1.8	17.4	473	500	Drum
4	6	re/rm	1/7	0.7	1.8	18.6	582	500	Drum
4	10	re/rm	1/7	0.7	1.8	21.0	811	500	Drum
4	16	rm	7	0.7	1.8	23.5	1,108	500	Drum
4	25	rm	7	0.9	1.9	27.8	1,625	500	Drum
4	35	rm	7	0.9	2.0	30.8	2,182	500	Drum
4	50	sm	19	1.0	2.0	31.0	2,385	500	Drum
4	70	sm	19	1.1	2.1	35.0	3,505	500	Drum
4	95	sm	19	1.1	2.2	39.0	4,622	500	Drum
4	120	sm	37	1.2	2.4	42.8	5,692	500	Drum
4	150	sm	37	1.4	2.5	47.5	6,971	500	Drum
4	185	sm	37	1.6	2.7	52.7	8,606	250	Drum
4	240	sm	37	1.7	2.9	59.5	11,107	250	Drum
4	300	sm	37	1.8	3.1	65.0	13,673	250	Drum
5	1.5	re/rm	1/7	0.7	1.8	15.8	350	1,000	Drum
5	2.5	re/rm	1/7	0.7	1.8	16.9	425	500	Drum
5	4	re/rm	1/7	0.7	1.8	18.5	545	500	Drum
5	6	re/rm	1/7	0.7	1.8	19.8	680	500	Drum
5	10	re/rm	1/7	0.7	1.8	22.6	958	500	Drum
5	16	rm	7	0.7	1.8	25.3	1,323	500	Drum
5	25	rm	7	0.9	2.0	30.3	1,971	500	Drum
5	35	rm	7	0.9	2.1	34.0	2,608	500	Drum
5	50	rm	19	1	2.3	40	3,745	500	Drum

CHARACTERISTICS

No. of Core	Size	Resistance at 20°C		Current Carrying Capacity at 30°C		Short Circuit Current at 1 Sec.	AC Voltage Test
		Conductor	Insulation	In Ground	In Air		
-	mm ²	Ohm/km	M. Ohm. km	Ampere		kA	kV/5 min
4	1.5	12.1	2,500	29	23	0.21	3.5
4	2.5	7.41	2,100	38	32	0.36	3.5
4	4	4.61	1,800	49	41	0.57	3.5
4	6	3.08	1,500	60	52	0.85	3.5
4	10	1.83	1,200	97	71	1.42	3.5
4	16	1.15	1,100	108	96	2.27	3.5
4	25	0.727	1,100	141	13	3.55	3.5
4	35	0.524	1,000	170	159	4.97	3.5
4	50	0.387	900	201	193	7.10	3.5
4	70	0.268	900	249	245	9.94	3.5
4	95	0.193	800	299	280	13.49	3.5
4	120	0.153	800	340	329	17.04	3.5
4	150	0.124	800	381	380	21.30	3.5
4	185	0.0991	800	434	424	26.27	3.5
4	240	0.0754	700	506	502	34.08	3.5
4	300	0.0601	700	585	540	42.60	3.5
5	1.5	12.1	2,500	31	23	0.21	3.5
5	2.5	7.41	2,100	41	32	0.36	3.5
5	4	4.61	1,800	53	41	0.57	3.5
5	6	3.08	1,500	65	52	0.85	3.5
5	10	1.83	1,200	89	71	1.42	3.5
5	16	1.15	1,100	117	96	2.27	3.5
5	25	0.727	1,100	153	130	3.55	3.5
5	35	0.524	1,000	184	159	4.97	3.5
5	50	0.387	900	217	193	7.10	3.5