Application

The 0.6/1kV NA2XRY Al XLPE SWA PVC Power Cable is designed for underground installations, particularly suitable for environments with mechanical compulsion and harsh conditions. It is ideal for applications requiring resistance to comparatively high ambient temperatures, thanks to its high maximum permissible conductor temperature.

Performance

Electrical Performance: U_0/U: 0.6/1kV
Chemical Performance: Resistant to chemicals, UV radiation, and oil
Mechanical Performance: Minimum Bending Radius: 15 x overall diameter
Terminal Performance: Fixed: -5°C to +90°C
Fire Performance:
Flame Retardant according to IEC/EN 60332-1-2 Standard

Construction

Conductor: Class 2 stranded aluminium conductor
Insulation: XLPE (Cross-linked polyethylene)
Filler: PVC (Polyvinyl Chloride)
Armoring: SWA (Galvanized round steel wire)
Sheath: PVC (Polyvinyl chloride)
Core Identification:
Two cores: brown, blue
Three cores: brown, black, gray
Four cores: brown, black, blue, gray or brown, black, gray, green/yellow
Five cores: brown, blue, black, gray, green/yellow
Seven cores and above: White cores with Black numbers
Sheath Colour: Black

Specification

-IEC 60502-1 Standard

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

Physical Performance and Resistance				
No. of Cores	Nominal Cross Section Area	Nominal Overall Dia.	Nominal Weight	Max. D.C. Resistance of Conductor at 20°C
-	mm^2	mm	kg/km	Ω/km
2	25	25	1270	1.2
3	25	25.6	1325	1.2
3	35	28.2	1592	0.868
3	50	34.6	2381	0.641
3	70	36.5	2679	0.443
3	95	41.8	3640	0.32
3	120	49	4736	0.253
3	25/16	27.8	1487	1.91
3	35/16	30.4	1722	0.868
3	50/25	35.8	2440	0.641
3	70/35	39.8	2950	0.443
3	95/50	45.9	4033	0.32
3	240/120	66.6	8162	0.253
3	300/150	72.2	9318	1.91
4	25	29.1	1643	1.2
4	35	32.2	1970	0.868
4	50	37.7	2754	0.641
4	70	43	3696	0.443
4	95	48.2	4546	0.32
4	120	52.2	5264	0.253
4	150	57.7	6289	0.206
4	185	66.9	8596	0.164
4	240	74	10334	0.125
5	16	26.1	1373	1.91
5	25	30.3	1802	1.2
5	35	34.5	2415	0.868
5	50	39.9	3330	0.641
5	70	45.1	4124	0.443
5	95	50.9	5198	0.32

Technical Parameters

Electrical Performance		
Nominal Cross Section Area	Current Carrying Capacity	
	in ground	in air
mm^2	A	A
16	76	77
25	90	97
35	112	120
50	136	146
70	174	187
95	211	227
120	245	263
150	283	304
185	323	347
240	382	409