



• Application

The SANS 1507-4 0.6/1kV XLPE SWA PVC CU Cable is designed for direct burial in free-draining soil conditions, making it suitable for both fixed indoor and outdoor installations. It is ideal for applications where reliable power transmission is required in challenging environments.

• Performance

Electrical Performance: U_0/U : 0.6/1kV
 Chemical Performance: Resistant to chemicals, UV radiation, and oil
 Mechanical Performance: Minimum Bending Radius:
 1.5mm² to 16mm²: Fixed: 6 x overall diameter
 25mm² and above: Fixed: 8 x overall diameter
 Terminal Performance:
 Maximum Short-Circuit Temperature: 90°C
 Minimum Service Temperature: -20°C
 Fire Performance:
 Flame Retardant according to IEC 60332-1-2 standard

• Construction

Conductor: Stranded copper conductor
 Insulation: XLPE (Cross-linked polyethylene)
 Bedding: PVC (Polyvinyl Chloride)
 Armoring: SWA (Galvanized Steel Wire Armour)
 Sheath: PVC (Polyvinyl Chloride)
 Core Identification:
 Two cores: Red, Yellow
 Three cores: Red, Yellow, Blue
 Four cores: Red, Yellow, Blue, Black
 Sheath Colour: Black with Red Stripe

• Specification

-SANS 1507-4 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 Rheinland 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					
No. of Cores	Nominal Cross Section Area	Nominal Thickness of Insulation	Nominal Diameter		Nominal Weight
			Under Armour	Overall	
-	mm ²	mm	mm	mm	kg/km
2	1.5	0.7	9.35	12.2	289
2	2.5	0.7	10.19	13.2	343
2	4	0.7	11.21	14.2	408
2	6	0.7	12.35	15.4	489
2	10	0.7	13.67	16.7	612
2	16	0.7	16.26	19.51	903
2	25	0.9	20.83	24.2	1420
2	35	0.9	22.83	26.2	1716
2	50	1	23.72	27.1	1753
2	70	1.1	26.81	30.4	2267
2	95	1.1	29.65	33.3	2842
2	120	1.2	33.84	37.8	3700
2	150	1.4	36.68	41.1	4410
2	185	1.6	40.12	44.9	5267
2	240	1.7	46.57	51.4	6973
3	1.5	0.7	9.83	12.6	315
3	2.5	0.7	10.74	13.7	379
3	4	0.7	11.84	14.8	458
3	6	0.7	13.07	16.1	557
3	10	0.7	15.18	18.4	814
3	16	0.7	17.24	20.4	1064
3	25	0.9	22.05	25.5	1670
3	35	0.9	24.21	27.6	2052
3	50	1	26.30	29.9	2315
3	70	1.1	29.8	33.4	3013
3	95	1.1	34.48	38.5	4167
3	120	1.2	37.78	42.2	5036
3	150	1.4	41.48	46.3	6065
3	185	1.6	46.76	51.6	7681
3	240	1.7	51.76	57	9598
4	1.5	0.7	10.61	13.6	359
4	2.5	0.7	11.62	14.6	428
4	4	0.7	12.86	15.9	525
4	6	0.7	14.93	17.9	733

● Technical Parameters

Physical Performance					
No. of Cores	Nominal Cross Section Area	Nominal Thickness of Insulation	Nominal Diameter		Nominal Weight
			Under Armour	Overall	
-	mm ²	mm	mm	mm	kg/km
4	10	0.7	16.52	19.7	950
4	16	0.7	18.82	22	1261
4	25	0.9	24.04	27.4	1977
4	35	0.9	26.46	30.1	2468
4	50	1	29.6	33.2	2890
4	70	1.1	34.88	38.9	4101
4	95	1.1	38.88	43.3	5284
4	120	1.2	44.06	48.9	6832
4	150	1.4	48.36	53.2	8136
4	185	1.6	52.86	58.1	9795
4	240	1.7	58.66	64.3	12308

Electrical Performance							
Nominal Cross Section Area	Maximum Conductor D.C. Resistance at 20 °C	Current Carrying Capacity					
		2 Cores		3 Cores		4 Cores	
		Free Air	In Ground	Free Air	In Ground	Free Air	In Ground
mm ²	Ω/km	A	A	A	A	A	A
1.5	12.1	29	25	25	21	25	21
2.5	7.41	39	33	33	28	33	28
4	4.61	52	43	44	36	44	36
6	3.08	66	53	56	44	56	44
10	1.83	90	71	78	58	78	58
16	1.15	115	91	99	75	99	75
25	0.727	152	116	131	96	131	96
35	0.524	188	139	162	115	162	115
50	0.387	228	164	197	135	197	135
70	0.268	291	203	251	167	251	167
95	0.193	354	239	304	197	304	197
120	0.153	410	271	353	223	353	223
150	0.124	472	306	406	251	406	251
185	0.0991	539	343	463	281	463	281
240	0.0754	636	395	546	324	546	324