



• Application

The SANS 1507-3 0.6/1kV PVC PVC Steel Wired Armoured Cable is versatile and suitable for various electrical applications. It is commonly used for wiring electrical controlling devices and instruments. Additionally, it is utilized in power distribution units for electrical protection, measurement, and control of return circuits, especially where the rated voltage is up to 600/1000V.

• 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: 70°C
 Minimum Service Temperature: -20°C
 Fire Performance:
 Flame Retardant according to IEC 60332-1-2 standard

• Construction

Conductor: Stranded copper conductor
 Insulation: PVC (Polyvinyl Chloride)
 Bedding: PVC (Polyvinyl Chloride)
 Armoring: SWA (Steel Wire Armored)
 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 Blue Stripe

• Specification

-SANS 1507-3 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	0.8	9.75	12.6	313
2	2.5	0.8	10.59	13.6	370
2	4	1	12.41	15.4	478
2	6	1	13.55	16.6	564
2	10	1	15.56	18.8	794
2	16	1	17.46	20.7	1001
2	25	1.2	22.03	25.4	1546
2	35	1.2	24.03	27.4	1852
2	50	1.4	24.92	28.3	1863
2	70	1.4	27.67	31.3	2377
2	95	1.6	31.6	35.6	3080
2	120	1.6	35.04	39	3869
2	150	1.8	37.88	42.3	4610
2	185	2	41.32	46.1	5506
2	240	2.2	48.12	52.9	7289
3	1.5	0.8	10.26	13.3	351
3	2.5	0.8	11.17	14.2	411
3	4	1	13.13	16.1	539
3	6	1	15.05	18.3	743
3	10	1	16.48	19.7	919
3	16	1	18.53	21.7	1181
3	25	1.2	23.35	26.8	1820
3	35	1.2	25.51	29.1	2229
3	50	1.4	27.10	30.7	2485
3	70	1.4	30.4	34.4	3226
3	95	1.6	35.48	39.9	4477
3	120	1.6	38.58	43	5314
3	150	1.8	42.68	47.5	6444
3	185	2	47.56	52.4	8051
3	240	2.2	52.76	58	10114
4	1.5	0.8	11.09	14.1	395
4	2.5	0.8	12.11	15.1	468
4	4	1	15	18	709
4	6	1	16.38	19.6	857

● 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	1	17.98	21.2	1075
4	16	1	21.74	25.1	1599
4	25	1.2	25.5	29.1	2172
4	35	1.2	27.92	31.5	2666
4	50	1.4	30.6	34.6	3167
4	70	1.4	35.58	40	4388
4	95	1.6	40.08	44.9	5711
4	120	1.6	45.06	49.9	7217
4	150	1.8	49.36	54.2	8595
4	185	2	53.86	59.1	10337
4	240	2.2	59.96	65.6	12999

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	22	22	19	18	19	18
2.5	7.41	31	29	26	24	26	24
4	4.61	41	37	35	30	35	30
6	3.08	53	46	45	38	45	38
10	1.83	72	60	62	50	62	50
16	1.15	97	78	83	64	83	64
25	0.727	128	99	110	82	110	82
35	0.524	157	119	135	98	135	98
50	0.387	190	140	163	116	163	116
70	0.268	241	173	207	143	207	143
95	0.193	291	204	251	169	251	169
120	0.153	336	231	290	192	290	192
150	0.124	386	261	332	217	332	217
185	0.0991	439	292	378	243	378	243
240	0.0754	516	336	445	280	445	280