

SANS 1507-4 Steel Wired Armoured XLPE-PVC 0.6/1kV Cable



APPLICATION

Direct burial in free-draining soil conditions for fixed indoor and outdoor installations.

CHARACTERISTICS

Voltage Rating U_0/U

0.6/1kV

Operating Temperature

-20°C to +90°C

Minimum Bending Radius

1.5mm² to 16mm² - Fixed: 6 x overall diameter
25mm² and above - Fixed: 8 x overall diameter

STANDARDS

SANS 1507-4

Flame Retardant according to IEC 60332-1-2

CONSTRUCTION

Conductor

Copper conductor

Insulation

XLPE (Cross-linked Polyethylene)

Bedding

PVC (Polyvinyl Chloride)

Armour

SWA (Galvanized Steel Wire Armour)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

2 core: Red 、 Yellow

3 core: Red 、 Yellow 、 Blue

4 core: Red 、 Yellow 、 Blue 、 Black

Sheath Colour

Black with Red Stripe

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL DIAMETER mm		NOMINAL WEIGHT kg/km
			Under Armour	Over all	
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	19.5	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	29.80	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	57.0	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
4	10	0.7	16.52	19.7	950
4	16	0.7	18.82	22.0	1261
4	25	0.9	24.04	27.4	1977
4	35	0.9	26.46	30.1	2468
4	50	1	29.60	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 CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR DC RESISTANCE AT 20 °C ohm/km	CURRENT CARRYING CAPACITY (A)					
		2 cores		3 cores		4 cores	
		Free Air	In Ground	Free Air	In Ground	Free Air	In Ground
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

SANS 1507-3 Steel Wired Armoured PVC-PVC 0.6/1kV Cable



APPLICATION

Direct burial in free-draining soil conditions for fixed indoor and outdoor installations.

CHARACTERISTICS

Voltage Rating U_0/U

0.6/1kV

Operating Temperature

-20°C to +70°C

Minimum Bending Radius

1.5mm² to 16mm² - Fixed: 6 x overall diameter
25mm² and above - Fixed: 8 x overall diameter

STANDARDS

SANS 1507-3

Flame Retardant according to IEC 60332-1-2

CONSTRUCTION

Conductor

Copper conductor

Insulation

PVC (Polyvinyl Chloride)

Bedding

PVC (Polyvinyl Chloride)

Armour

SWA (Galvanized Steel Wire Armour)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

2 core: Red , Yellow

3 core: Red , Yellow , Blue

4 core: Red , Yellow , Blue , Black

Sheath Colour

Black with Blue Stripe

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL DIAMETER mm		NOMINAL WEIGHT kg/km
			Under Armour	Over all	
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	31.60	35.6	3080
2	120	1.6	35.04	39.0	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	30.40	34.4	3226
3	95	1.6	35.48	39.9	4477
3	120	1.6	38.58	43.0	5314
3	150	1.8	42.68	47.5	6444
3	185	2	47.56	52.4	8051
3	240	2.2	52.76	58.0	10114
4	1.5	0.8	11.09	14.1	395
4	2.5	0.8	12.11	15.1	468
4	4	1	15.00	18.0	709
4	6	1	16.38	19.6	857
4	10	1	17.98	21.2	1075
4	16	1	21.74	25.1	1599
4	25	1.2	25.50	29.1	2172
4	35	1.2	27.92	31.5	2666
4	50	1.4	30.60	34.6	3167
4	70	1.4	35.58	40.0	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 CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR DC RESISTANCE AT 20 °C ohm/km	CURRENT CARRYING CAPACITY (A)					
		2 cores		3 cores		4 cores	
		Free Air	In Ground	Free Air	In Ground	Free Air	In Ground
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