

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

Aluminum 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.

ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	Insulation Thickness mm	Sheath Thickness mm	Overall Diameter mm	NOMINAL WEIGHT kg/km		MAXIMUM CONDUCTOR DC RESISTANCE AT 20 °C ohm/km	
					Cu	AL	Cu	AL
2	4	0.7	1.8	16.8	447	397	4.61	7.41
2	6	0.7	1.8	17.8	520	444	3.08	4.61
2	10	0.7	1.8	21.3	835	708	1.83	3.08
2	16	0.7	1.8	23.3	1024	823	1.15	1.91
2	25	0.9	1.8	27.4	1512	1195	0.727	1.2
2	35	0.9	1.8	28.6	1740	1307	0.524	0.868
2	50	1	1.8	31.6	2136	1550	0.387	0.641
2	70	1.1	2	35.4	2735	1886	0.268	0.443
2	95	1.1	2.1	39.8	3697	2518	0.193	0.32
2	120	1.2	2.2	43.4	4396	2909	0.153	0.253
2	150	1.4	2.3	47.4	5208	3374	0.124	0.206
2	185	1.6	2.5	53.2	6747	4451	0.0991	0.164
2	240	1.7	2.7	58.6	8278	5261	0.0754	0.125
2	300	1.8	2.8	64	9912	6127	0.0601	0.1
2	400	2	3.1	71.2	12168	7328	0.047	0.0778
2	500	2.2	3.3	80.1	15893	9678	0.0366	0.0605
3	4	0.7	1.8	17.4	505	430	4.61	7.41
3	6	0.7	1.8	18.5	598	485	3.08	4.61
3	10	0.7	1.8	22.2	966	776	1.83	3.08
3	16	0.7	1.8	24.3	1220	918	1.15	1.91
3	25	0.9	1.8	28.7	1803	1328	0.727	1.2
3	35	0.9	1.8	30	2133	1483	0.524	0.868
3	50	1	1.9	33.4	2658	1779	0.387	0.641
3	70	1.1	2	38.1	3716	2442	0.268	0.443
3	95	1.1	2.2	42.2	4692	2924	0.193	0.32
3	120	1.2	2.3	46.1	5649	3418	0.153	0.253
3	150	1.4	2.5	52	7239	4487	0.124	0.206
3	185	1.6	2.6	56.5	8634	5191	0.0991	0.164
3	240	1.7	2.8	62.7	10790	6265	0.0754	0.125
3	300	1.8	3	68.3	13016	7338	0.0601	0.1
3	400	2	3.2	75.8	16028	8768	0.047	0.0778
3	500	2.2	3.5	85.4	20926	11603	0.0366	0.0605
4	4	0.7	1.8	18.4	580	480	4.61	7.41
4	6	0.7	1.8	20.5	839	688	3.08	4.61
4	10	0.7	1.8	23.6	1119	866	1.83	3.08
4	16	0.7	1.8	26.7	1599	1196	1.15	1.91
4	25	0.9	1.8	30.8	2151	1518	0.727	1.2
4	35	0.9	1.9	32.5	2584	1718	0.524	0.868
4	50	1	2	36.3	3254	2081	0.387	0.641
4	70	1.1	2.2	41.6	4558	2860	0.268	0.443
4	95	1.1	2.3	46	5827	3469	0.193	0.32
4	120	1.2	2.5	51.9	7540	4566	0.153	0.253
4	150	1.4	2.6	56.7	8993	5324	0.124	0.206
4	185	1.6	2.8	62.3	10871	6281	0.0991	0.164
4	240	1.7	3	68.8	13552	7519	0.0754	0.125
4	300	1.8	3.2	75	16379	8809	0.0601	0.1
4	400	2	3.5	85.3	21416	11736	0.047	0.0778
4	500	2.2	3.8	94.1	26417	13986	0.0366	0.0605