NA2XRY Aluminium Conductor IEC 60502-1 XLPE SWA PVC 0.6/1kV Cable

APPLICATION

Can be used in underground installations since the cable is very suitable for mechanical compulsion and harsh operating conditions. Suitable for comparatively high ambient temperature due to high maximum permissible conductor temperature.

STANDARDS

Generally to BS 5467, IEC 60502-1
Flame Retardant according to IEC/EN 60332-1-2

CHARACTERISTICS

Voltage Rating Uo/U
0.6/1kV

Temperature Rating
Fixed: -5°C to +90°C

Minimum Bending Radius
15 x overall diameter

THE CABLE TEST

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

CONSTRUCTION

Conductor
Class 2 stranded aluminium conductor

Insulation
XLPE (Cross-Linked Polyethylene)

Filler
PVC (Polyvinyl Chloride)

Armour
Single core: AWA (Aluminium wire armour)
All other sizes: SWA (Galvanized round steel wire)

Sheath
PVC (Polyvinyl Chloride)

SUSTAINABILITY COMMITMENT

Henan CJDL Cable actively implements the "carbon reduction"goal, strives to promote the green's low-carbon transformation,strengthens energy-saving and emission reduction technologyinnovation, and promotes the company's healthy and sustain-able development.

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DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm^2	NOMINAL INSULATION THICKNESS mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
1	70	1.1	1.3	19.6	525
1	95	1.1	1.3	21.1	620
1	120	1.2	1.3	22.7	730
1	150	1.4	1.4	26.2	935
1	185	1.6	1.5	27.7	1085
1	240	1.7	1.5	30.3	1310
1	300	1.8	1.6	33	1560
1	400	2	1.7	36.9	1995
1	500	2.2	1.7	40.3	2375
1	630	2.4	1.8	44.8	2963
2	25	0.9	1.3	23.2	850
2	35	0.9	1.4	26.4	1165
2	50	1	1.6	29.8	1390
2	70	1.1	1.7	34.3	1925
2	95	1.1	1.7	37.3	2270
2	150	1.4	1.8	45.9	2945
2	185	1.6	2	50	3990
2	240	1.7	2.1	55.4	4760
2	300	1.8	2.1	60.8	5600
3	25	0.9	1.4	25.4	1100
3	35	0.9	1.5	28	1300
3	50	1	1.5	28.1	1370
3	70	1.1	1.6	31.6	1700
3	95	1.1	1.7	35.6	2215
3	120	1.2	1.8	39	2610
3	150	1.4	1.9	43.1	3485
3	185	1.6	2	47.1	4065
3	240	1.7	2.1	52	4900
3	300	1.8	2.2	57.1	5750
3	400	2	2.4	64.3	7105
4	25	0.9	1.4	27.4	1265
4	35	0.9	1.5	30.3	1520
4	50	1	1.6	31.8	1655
4	70	1.1	1.7	36.6	2320
4	95	1.1	1.8	39.3	2755
4	120	1.2	1.9	44.4	3635
4	150	1.4	2	48.9	4280
4	185	1.6	2.1	53.7	5025
4	240	1.7	2.2	59.7	6105
4	300	1.8	2.4	65.3	7315
5	25	0.9	1.5	29.7	1530
5	35	0.9	1.6	32.9	1830
5	50	1	1.7	37.8	2535
5	70	1.1	1.8	43	3250

Laying conditions at trefoil formation are as below:
-Soil thermal resistivity 120°C.Cm/Watt
-Burial depth 0.5 m
-Ground temperature 15 °C
-Air temperature 25 °C
-Frequency 50 Hz

ELECTRICAL CHARACTERISTICS

Class 2 Stranded Conductors for Single Core and Multi-Core Cables

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm^2	MAXIMUM CONDUCTOR DC RESISTANCE AT 20^OC	MAXIMUM CONDUCTOR AC RESISTANCE AT 50 Hz	CONDUCTOR S.C.C For 1 second KA	CURRENT RATING		
					Laid in ground	Laid in duct	Laid in free air
1	70	0.443	0.565	6.61	220	171	236
1	95	0.32	0.408	8.98	262	205	288
1	120	0.253	0.323	11.34	298	235	333
1	150	0.206	0.263	14.17	333	265	378
1	185	0.164	0.209	17.48	376	301	436
1	240	0.125	0.159	22.68	433	352	516
1	300	0.1	0.128	28.35	487	401	592
1	400	0.0778	0.099	37.79	549	459	688
1	500	0.0605	0.077	47.24	619	526	795
1	630	0.0469	0.06	59.52	693	598	911
2	25	1.2	1.53	2.4	139	103	131
2	35	0.868	1.107	3.3	167	123	160
2	50	0.641	0.817	4.7	199	148	195
2	70	0.443	0.565	6.6	243	184	244
2	95	0.32	0.408	8.9	292	222	300
2	150	0.206	0.263	14.1	372	288	394
2	185	0.164	0.209	17.4	420	332	455
2	240	0.125	0.159	22.6	487	387	537
2	300	0.1	0.128	28.2	590	475	586
3	25	1.2	1.53	2.4	112	84	108
3	35	0.868	1.107	3.3	135	101	131
3	50	0.641	0.817	4.7	161	120	157
3	70	0.443	0.565	6.6	199	149	199
3	95	0.32	0.408	8.9	238	180	242
3	120	0.253	0.323	11.3	271	207	282
3	150	0.206	0.263	14.1	302	235	319
3	185	0.164	0.209	17.48	342	268	367
3	240	0.125	0.159	22.6	396	313	433
3	300	0.1	0.128	28.2	445	356	496
3	400	0.0778	0.099	37.6	509	412	578
4	25	1.2	1.53	2.4	114	86	110
4	35	0.868	1.107	3.3	137	104	135
4	50	0.641	0.817	4.7	166	124	164
4	70	0.443	0.565	6.6	203	155	208
4	95	0.32	0.408	8.9	243	185	253
4	120	0.253	0.323	11.3	276	215	294
4	150	0.206	0.263	14.1	310	243	336
4	185	0.164	0.209	17.4	351	278	386
4	240	0.125	0.159	22.6	405	326	454
4	300	0.1	0.128	28.2	456	369	520
5	25	1.2	1.53	2.4	114	86	110
5	35	0.868	1.107	3.3	137	104	135
5	50	0.641	0.817	4.7	166	124	164
5	70	0.443	0.565	6.6	203	155	208