

NA2XBY Aluminium Conductor IEC 60502-1 XLPE DSTA PVC 0.6/1kV Cable



APPLICATION

This cable is highly resistant against mechanical stresses due to the galvanised steel tape armoured construction. Suitable for local distribution systems.

STANDARDS

IEC 60502-1, EN 60228
Flame Retardant according to IEC/EN 60332-1-2

CHARACTERISTICS

Voltage Rating U₀/U
0.6/1kV

Maximum Operating Temperature
+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 must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

CONSTRUCTION

Conductor
Class 2 stranded aluminium conductor

Insulation
XLPE (Cross-Linked Polyethylene)

Filler
PVC (Polyvinyl Chloride)

Armour
Double galvanized steel tape

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 technology innovation, and promotes the company's healthy and sustainable development.

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
2	16	19.6	624
2	25	22.6	807
2	35	24.8	967
3	16	20.5	741
3	25	23.8	985
3	35	26.2	1202
3	35/16	27.4	1317
3	50	29.6	1503
3	50/25	30.2	1573
3	70	33.5	1914
3	70/35	35.3	2132
3	95	37.6	2429
3	95/50	39.7	2711
3	120	42.5	2991
3	120/70	45	3363
3	150/70	48.8	4271
3	185/95	54.1	41191
3	240/120	61.2	6174
4	16	22.1	859
4	25	26	1172
4	35	28.6	1434
4	50	32.4	1804
4	70	36.7	2306
5	16	23.9	1057
5	25	28.4	1477
5	35	31.5	1842
5	50	35.9	2356
5	70	40	2960
5	95	45.3	3837

DIMENSIONS

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

NOMINAL CROSS SECTIONAL AREA mm ²	MINIMUM NO. OF WIRES IN CONDUCTOR						MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km Aluminium or Aluminium Alloy Conductor
	Circular		Circular Compacted		Shaped		
	Cu	Al	Cu	Al	Cu	Al	
16	7	7	6	6	-	-	1.91
25	7	7	6	6	6	6	1.2
35	7	7	6	6	6	6	0.868
50	19	19	6	6	6	6	0.641
70	19	19	12	12	12	12	0.443
95	19	19	15	15	15	15	0.32
120	37	37	15	15	18	18	0.253
150	37	37	15	15	18	18	0.206
185	37	37	30	30	30	30	0.164
240	37	37	34	30	18	18	0.125

ELECTRICAL CHARACTERISTICS

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

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY Amps	
		In Ground	In Air
2	16	84	91
2	25	101	108
2	35	126	135
3	16	76	77
3	25	90	97
3	35	112	120
3	35/16	112	120
3	50	136	146
3	50/25	136	146
3	70	174	187
3	70/35	174	187
3	95	211	227
3	95/50	211	227
3	120	245	263
3	120/70	245	263
3	150/70	283	304
3	185/95	323	347
3	240/120	382	409
4	16	76	77
4	25	90	97
4	35	112	120
4	50	136	146
4	70	174	187
5	16	76	77
5	25	90	97
5	35	112	120
5	50	136	146
5	70	174	187
5	95	211	227

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.