

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

ARMoured CABLE

CJDL Cable



## ➤ APPLICATION

This cable is highly resistant to 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**  $U_0/U$

0.6/1kV

**Maximum Operating Temperature**

+90 °C

**Minimum Bending Radius**

15 x overall diameter

## ➤ CABLE LABORATORY

We have state-of-the-art laboratory facilities and cutting-edge testing equipment, supported by a strict quality control protocol throughout the entire production process. Every production batch undergoes comprehensive technical tests prior to shipment. Only products that meet the most stringent quality standards are approved for distribution. This ensures our products deliver outstanding stability, reliability and durability, fully complying with customers' technical specifications and 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)

### **Sheath Colour**

Black

## ➤ DEDICATION TO SUSTAINABILITY

At CJDL Cable, we are fully committed to ecological transition and environmental protection. We actively push forward decarbonization goals, steadily moving toward a zero-emission business model.

To this end, we keep pursuing technological innovation to improve energy efficiency and cut pollutant emissions. Meanwhile, we optimize manufacturing processes to reduce environmental impact, securing sound, responsible and sustainable long-term growth for the company.

## DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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	4191
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

## CONDUCTORS

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

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MINIMUM NO. OF WIRES IN CONDUCTOR						MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
	CIRCULAR		CIRCULAR COMPACTED		SHAPED		
	Cu	Al	Cu	Al	Cu	Al	ALUMINIUM OR ALUMINIUM ALLOY CONDUCTOR
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

## Current Carrying Capacity

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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.