

N2XBY Cable



APPLICATION

For installation indoors, in cable channels and in duct in ground in switchgear, power stations and industrial application, in harsh environments where a high level mechanical protection is required.

STANDARDS

IEC 60502-1, VDE 0276-603, IS 1516.1, IEC/EN 60228
Flame retardant according to IEC/EN 60332-1

CHARACTERISTICS

Voltage Rating U_0/U
0.6/1kV

Test Voltage
3.5kV

Temperature Rating
Maximum Operating: +90°C
Maximum Short-Circuit: +250°C

Minimum Bending Radius
12 x overall diameter

CONSTRUCTION

Conductor
Class 2 Stranded copper

Insulation
XLPE (Cross-Linked Polyethylene)

Filler
Polyvinyl chloride (PVC)

Armour
Double galvanized steel tape

Outer Sheath
Polyvinyl chloride (PVC)

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

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 sustain-able development.

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL DIAMETER OF CONDUCTOR mm	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
2	2.5	1.76	0.7	1.24	13	276
2	4	2.21	0.7	1.24	14	326
2	6	2.71	0.7	1.24	15	384
2	10	3.85	0.7	1.24	17	498
2	16	4.8	0.7	1.24	19	649
2	25	5.85	0.9	1.24	22	882
2	35	6.9	0.9	1.32	24	1113
2	50	8.1	1	1.4	27	1421
2	70	9.7	1.1	1.48	31	1899
2	95	11.4	1.1	1.64	35	2482
3	1.5	1.36	0.7	1.24	12	265
3	2.5	1.76	0.7	1.24	14	342
3	4	2.21	0.7	1.24	15	417
3	6	2.71	0.7	1.24	16	501
3	10	3.85	0.7	1.24	19	704
3	16	4.8	0.7	1.24	21	938
3	25	5.85	0.9	1.24	24	1315
3	35	6.9	0.9	1.32	26	1682
3	50	8.1	1	1.4	29	2176
3	70	9.7	1.1	1.48	34	2949
3	95	11.4	1.1	1.64	38	4004
3	120	12.65	1.2	1.72	42	5215
3	150	14.4	1.4	1.88	47	6413
3	185	15.75	1.6	2.04	51	7719
3	240	18.2	1.7	2.2	58	9961
3	16+10	4.8	0.7	1.24	21	1073
3	25+16	5.85	0.9	1.24	25	1511
3	35+16	6.9	0.9	1.32	27	1861
3	50+25	8.1	1	1.4	30	2377
3	70+35	9.7	1.1	1.56	35	3235
3	95+70	11.4	1.1	1.64	39	4634
3	120+70	12.65	1.2	1.8	44	5813
3	150+70	14.4	1.4	1.88	48	6888
3	185+95	15.75	1.6	2.04	52	8412
3	240+120	18.2	1.7	2.2	59	10679
4	1.5	1.36	0.7	1.24	13	309
4	2.5	1.76	0.7	1.24	14	369
4	4	2.21	0.7	1.24	16	469
4	6	2.71	0.7	1.24	17	577
4	10	3.85	0.7	1.24	20	821
4	16	4.8	0.7	1.24	22	1113
4	25	5.85	0.9	1.32	25	1593
4	35	6.9	0.9	1.4	28	2060
4	50	8.1	1	1.48	32	2637
4	70	9.7	1.1	1.56	36	3611
4	95	11.4	1.1	1.72	41	5355
4	120	12.65	1.2	1.88	46	6590
4	150	14.4	1.4	1.96	51	8096

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL DIAMETER OF CONDUCTOR mm	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
4	185	15.75	1.6	2.12	56	9795
4	240	18.2	1.7	2.36	63	12585
5	1.5	1.36	0.7	1.24	14	368
5	2.5	1.76	0.7	1.24	15	432
5	4	2.21	0.7	1.24	17	543
5	6	2.71	0.7	1.24	18	679
5	10	3.85	0.7	1.24	21	981
5	16	4.8	0.7	1.24	24	1351
5	25	5.85	0.9	1.32	28	1960
5	35	6.9	0.9	1.4	31	2539
5	50	8.1	1	1.48	35	3333
5	70	9.7	1	1.48	39	4507
5	95	11.4	1.1	1.56	44	6038

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY ^A		MAXIMUM CONDUCTOR RESISTANCE AT 20°C Ω/km
	IN CONDUIT	IN AIR	
1.5	30	24	12,1
2.5	40	32	7,41
4	52	42	4,61
6	64	53	3,08
10	86	73	1,83
16	111	96	1,15
25	143	130	0,727
35	173	160	0,524
50	205	195	0,387
70	252	247	0,268
95	303	305	0,193
120	346	355	0,153
150	390	407	0,124
185	441	469	0,0991
240	511	551	0,0754

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.