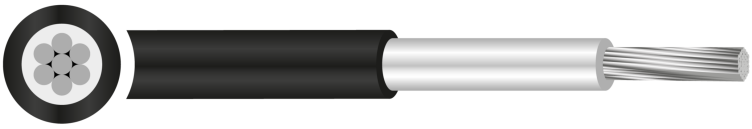
CLEVELAND CABLE COMPANY

NA2X2Y Cable 0.6/1kV IEC 60502-1 AL/XLPE/MDPE



NA2X2Y are Low voltage Aluminium, XLPE insulation and MDPE / HDPE sheathed power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. NA2X2Y cable is suitable for external installation. Cables can be fixed on cable trays, within conduits or fixed to walls and is suitable for burial in ducts. The MDPE sheath is UV Resistant and water resistant to AD7.

Key Features

Voltage Rating
600V-1000V AC

1800V DC

Minimum Bending Radius
Single Core 15 x Overall Diameter,

Multicore 12 x Overall Diameter

UV/Ozone Resistance
Yes

Water Resistance
AD7

Temperature Limits
Maximum operating temperature of conductor: +90°C

Maximum short-circuit temperature up to 5 sec: +250°C

Construction

- **Conductor**: Class 2 Stranded Aluminium Conductor
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Outer Sheath**: Medium Density Polyethylene (MDPE)

- **Sheath Colour**: Black

Standards

- IEC 60502-1
- IEC 60228
- IEC/EN 60754-1/2
- UV Resistant: ISO 4892-2

NA2X2Y Cable 0.6/1kV IEC 60502-1 AL/XLPE/MDPE - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Max Overall Dia	Minimum Bending Radius	Weight(Kg/Km)
1KVNA2X2Y1 X16	16	1	0.8	1.5	9.0	135	95
1KVNA2X2Y1 X25	25	1	0.9	1.5	10.2	152	125
1KVNA2X2Y1 X35	35	1	1.0	1.5	11.2	168	160
1KVNA2X2Y1 X50	50	1	1.0	1.5	12.6	190	205
1KVNA2X2Y1 X70	70	1	1.1	1.5	14.5	218	275
1KVNA2X2Y2 X70	70	2	1.1	1.8	28.0	336	775
1KVNA2X2Y3 X70	70	3	1.2	2.0	26.5	320	875
1KVNA2X2Y4 X70	70	4	1.1	2.1	30.5	366	1105
1KVNA2X2Y1 X95	95	1	1.2	1.5	16.5	248	360
1KVNA2X2Y2 X95	95	2	1.2	2.0	32.0	384	995
1KVNA2X2Y3 X95	95	3	1.2	2.2	29.5	355	1095
1KVNA2X2Y4 X95	95	4	1.1	2.2	33.0	396	1410
1KVNA2X2Y1 X120	120	1	1.4	1.6	17.8	268	445
1KVNA2X2Y2 X120	120	2	1.4	2.2	34.5	415	1240
1KVNA2X2Y3 X120	120	3	1.3	2.3	33.0	396	1400
1KVNA2X2Y4 X120	120	4	1.2	2.4	37.0	444	1795
1KVNA2X2Y1 X150	150	1	1.6	1.7	20.5	308	550
1KVNA2X2Y2 X150	150	2	1.6	2.3	40.0	480	1575
1KVNA2X2Y3 X150	150	3	1.4	2.4	36.0	432	1715
1KVNA2X2Y4 X150	150	4	1.4	2.6	42.0	504	2220
1KVNA2X2Y1 X185	185	1	1.7	1.7	21.8	330	665
1KVNA2X2Y2 X185	185	2	1.6	2.5	43.0	516	1895
1KVNA2X2Y3 X185	185	3	1.5	2.6	40.0	480	2120
1KVNA2X2Y4 X185	185	4	1.5	2.7	46.5	558	2760

Reference	Conductor Size (mm2)	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Max Overall Dia	Minimum Bending Radius	Weight(Kg/Km)
1KVNA2X2Y1 X240	240	1	1.8	1.8	24.8	372	840
1KVNA2X2Y2 X240	240	2	1.8	2.6	48.0	576	2395
1KVNA2X2Y3 X240	240	3	1.6	2.8	45.0	540	2680
1KVNA2X2Y4 X240	240	4	1.7	3.0	52.5	630	3500
1KVNA2X2Y1 X300	300	1	2.0	1.8	27.4	411	1040
1KVNA2X2Y2 X300	300	2	1.8	2.8	54.0	648	2995
1KVNA2X2Y3 X300	300	3	1.8	3.0	50.0	600	3290
1KVNA2X2Y4 X300	300	4	1.9	3.1	58.0	696	4325
1KVNA2X2Y1 X400	400	1	2.2	1.9	31.0	465	1340
1KVNA2X2Y2 X400	400	2	2.0	3.0	60.0	720	3795
1KVNA2X2Y3 X400	400	3	2.0	3.2	57.0	684	4325
1KVNA2X2Y4 X400	400	4	2.1	3.3	66.5	792	5695
1KVNA2X2Y1 X500	500	1	2.2	2.0	34.5	518	1675
1KVNA2X2Y1 X630	630	1	2.4	2.2	39.0	585	2195
1KVNA2X2Y1 X800	800	1	2.7	2.2	45.0	675	2850
1KVNA2X2Y1 X1000	1000	1	3.0	2.4	50.0	765	3495

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