



N2XY 0.6/1kV Cable



Description

N2XY 0,6/1kV cables are those recommended for transport and distribution of low voltage electrical energy. Recommended for industrial connections, supplies, internal distribution and outdoor connections. They can be used in sub-surface networks and permanent installations.

- Cables N2XY-J are manufactured with one yellow/green conductor
- Cables N2XY-O are manufactured with one yellow/green conductor

Reference Standards DIN VDE 0276-603 and IEC 60502 and IEC 60502

Applications

Power plants, local energy distribution networks, and connections to switchgear and transformers; power supply for mechanical equipment, factory workshop installations, and control systems; fixed installations in public spaces such as high-rise buildings and shopping centers; underground installations in tunnels, cable trench installations, and direct burial for outdoor lighting systems and urban power networks.

Technical Characteristics

1. Conductor	Rigid electrolytic copper (Class I or II) in compliance with DIN-VDE 0295, UNE-EN 60228, EN 60228 and IEC 60228
2. Insulation	Cross-linked polyethylene (XLPE), type DIX 3 in compliance with DIN VDE 0276-603 e IEC 60502 e IEC 60502 and HD 603S1
3. Sheath	PVC type DMV 6 in accordance with DIN VDE 0276-603 and IEC 60502, IEC 60502 and HD 603S1
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	90 °C
Colours	Según VDE 0293-308 y HD 308 S2
No flame spread	According to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

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Dimensions

Section (mm ²)	Resistance at 20°C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
1x1,5	12,1	4,81	36	Eca
1x2,5	7,41	5,06	45	Eca
1x4	4,61	5,55	62	Eca
1x6	3,08	6,35	87	Eca
1x10	1,83	7,1	128	Eca
1x16	1,15	8,36	184	Eca
1x25	0,727	9,88	281	Eca
1x35	0,524	11	371	Eca
1x50	0,387	12,4	528	Eca
1x70	0,268	14,7	743	Eca
1x95	0,193	16,7	1008	Eca
1x120	0,153	18,1	1211	Eca
1x150	0,124	20,34	1514	Eca
1x185	0	22,6	1836	Eca
1x240	0,0775	25,25	2467	Eca
1x300	0	28,7	3001	Eca
1x400	0	32,6	3889	Eca
2x1,5	12,1	8,05	94	Eca
2x2,5	7,41	8,7	119	Eca
2x4	4,61	9,76	164	Eca
2x6	3,08	11,1	221	Eca
2x10	1,83	12,64	325	Eca
2x16	1,15	15,86	527	Eca
2x25	0,727	20,3	845	Eca

Section (mm ²)	Resistance at 20°C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
2x35	0,524	21,4	1040	Eca
3x1,5	12,1	8,52	111	Eca
3x2,5	7,41	9,22	145	Eca
3x4	4,61	10,23	200	Eca
3x6	3,08	11,75	275	Eca
3x10	1,83	13,47	417	Eca
3x16	1,15	16,88	667	Eca
3x25	0,727	20,21	1011	Eca
3x35	0,524	22,9	1335	Eca
4x1,5	12,1	9,25	133	Eca
4x2,5	7,41	10,04	176	Eca
4x4	4,61	11,17	245	Eca
4x6	3,08	12,94	345	Eca
4x10	1,83	14,83	523	Eca
4x16	1,15	18,5	836	Eca
4x25	0,727	22,55	1295	Eca
4x35	0,524	25,3	1699	Eca
5x1,5	12,1	10,07	160	Eca
5x2,5	7,41	11,01	215	Eca
5x4	4,61	12,2	298	Eca
5x6	3,08	14,21	422	Eca
5x10	1,83	16,36	644	Eca
5x16	1,15	20,25	1020	Eca
5x25	0,727	25,3	1617	Eca
5x35	0,524	28	2086	Eca