

Cables 0,6/1 kV

NYY



Description

The NYY cables comply with the construction product classification criteria according to the EU CPR Regulation 305/2011 and EN 50575, being those suitable for transport and distribution of low voltage electrical energy. Recommended for industrial installations, water or gas connections, internal distribution and outside connections. It can be used on underground networks and fixed installations.

Reference Standards: DIN VDE 0276

Applications

Suitable for the following installations:

- Underground networks for low voltage distribution
- Underground feed networks for external lighting installations
- Electric energy distribution networks. Underground water or gas connections
- Internal or receiver installations
- Installations on premises with special characteristics

Technical Characteristics

1. Conductor	Rigid electrolyte copper (Class I-II) in accordance with DIN VDE 0295, UNE-EN 60228, EN 60228 and IEC 60228
2. Insulation	PVC tipo DIV4 según DIN VDE 0276
3. Bedding	PVC
4. Sheath	PVC tipo DMV5 según VDE 0276-603
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	70 °C

Other characteristics

Made in accordance with VDE 0276

Colours in accordance with VDE 0293-308, 0276 part 603 and HD 186

No flame propagation in accordance with UNE-EN 60332, EN 60332, IEC 60332

CPR classified according to EN 50575

NYY-J cables are made with a yellow/green conductor

NYY-O cables are made without a yellow/green conductor

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
1x1,5	12,1	6,40	59	-
1x2,5	7,41	6,80	72	-
1x4	4,61	7,70	99	-
1x6	3,08	8,35	125	-
1x10	1,83	9,15	170	-
1x16	1,15	10,05	228	Eca
1x25	0,727	11,80	337	Eca
1x35	0,524	12,90	437	Eca
1x50	0,387	14,50	576	Eca
1x70	0,268	16,45	793	Eca
1x95	0,193	18,65	1.052	Eca
1x120	0,153	20,05	1.319	Eca
1x150	0,124	21,95	1.578	Eca
1x185	0,101	24,15	1.963	Eca
1x240	0,0775	26,95	2.516	Eca
1x300	0,062	29,60	3.142	Eca
2x1,5	12,1	10,15	150	Eca
2x2,5	7,41	11,00	186	Eca
2x4	4,61	12,80	264	Eca
2x6	3,08	14,10	335	Eca
2x10	1,83	15,70	452	Eca
2x16	1,15	17,50	605	Eca
2x25	0,727	21,00	904	Eca
2x35	0,524	23,20	1.165	Eca
3G1,5	12,1	9,90	152	Eca
3G2,5	7,41	11,05	202	Eca
3G4	4,61	13,45	311	Eca
3G6	3,08	14,85	399	Eca

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
3G10	1,83	16,60	551	Eca
3x16	1,15	18,50	750	Eca
3x25	0,727	22,25	1.130	Eca
3x35	0,524	24,60	1.473	Eca
4x1,5	12,1	11,30	199	Eca
4x2,5	7,41	12,30	253	Eca
4x4	4,61	14,50	370	Eca
4x6	3,08	16,10	481	Eca
4x10	1,83	18,00	672	Eca
4x16	1,15	20,20	924	Eca
4x25	0,727	24,35	1.401	Eca
4x35	0,524	27,05	1.838	Eca
5x1,5	12,1	11,40	208	Eca
5x2,5	7,41	13,30	297	Eca
5x4	4,61	15,40	421	Eca
5x6	3,08	17,45	566	Eca
5x10	1,83	19,60	798	Eca
5x16	1,15	22,05	1.106	Eca
5x25	0,727	26,70	1.684	Eca
5x35	0,524	29,90	2.232	Eca
7x1,5	12,1	12,95	279	Eca
7x2,5	7,41	14,15	364	Eca
10x1,5	12,1	14,65	360	Eca
10x2,5	7,41	16,10	478	Eca
12x1,5	12,1	15,50	411	Eca
12x2,5	7,41	17,10	549	Eca
19x1,5	12,1	18,10	585	Eca
19x2,5	7,41	20,10	795	Eca