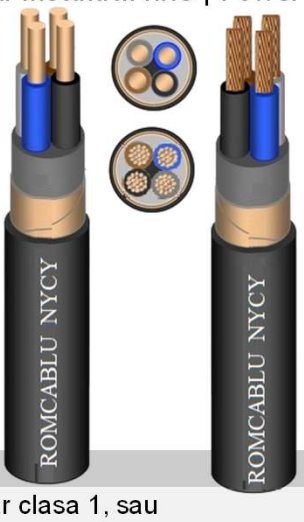
NYY , NYCY

Cabluri de energie pentru instalatii fixe | Power cables for fixed installation



Constructie

1. Conductor de cupru unifilar clasa 1, sau multifilar clasa 2
2. Izolatie din PVC
3. Umplutura
4. Conductor concentric din sirme de cupru rotunde, cu contraspira din banda de cupru
5. Manta exterioara din PVC

Construction

1. Solid or multiwire copper conductor
2. PVC insulation
3. Filler
4. Concentric conductor of round copper wires, outer layer with copper tape
5. Outer PVC sheath

Specificatia tehnica

Tensiunea nom.: 0,6/1 KV

Temperatura de lucru: min. –40 °C max. +70 °C

Temperatura minima:
– instalare si manipulare: +4 °C
– depozitare: –40 °C

Temperatura max. de depozitare: +40 °C

Standard de fabricatie: DIN VDE 0276-603/1.2005

Identificare conductori conf. VDE 0293, HD 308

Utilizare: in instalatii fixe exterioare ingropate in pamant sau sub tencuiala.

Culoarea mantalei: negru

Ambalare: colaci de 100, tamburi din lemn.

Rezistenta la propagarea flacarii conf. SR CEI 60332.1

Technical specification

Rated voltage: 0,6/1 KV

Operating temperature: min. –40 °C max. +70 °C

Min. temperature:
– with installation and handling: +4 °C
– storage: –40 °C

Max. storage temperature: +40 °C

Manufacturing standard: DIN VDE 0276-603/1.2005

Core identification acc. to VDE 0293, HD 308

Use: for fixed outdoor installations in ground or in concrete.

Colour of sheath: black

Standard packing: coils 100, drums, one-way reels

Flame retardation according to IEC 60332-1

Nr. conductori x sectiunea Cores no x cross-section (nxmm2)	Forma conductor Conductor shape	Grosime izolatie Insulation thickness (mm)	Grosime manta Outer sheath thickness	Diametru exterior Outer diameter (mm)	Greutate Weight (kg/km)	Rezistenta max. Max. conductor resistance	Sarcina Current carrying capacity (A)
NYY							
1X6	ru	1	1.8	8.2	125	3.0800	53
1X10	ru	1	1.8	9.0	171	1.8300	74
1X16	ru	1	1.8	10.0	241	1.1500	105

Nr. conductori x sectiunea Cores no x cross-section (nxmm2)	Forma conductor Conductor shape	Grosime izolatie Insulation thickness (mm)	Grosime manta Outer sheath thickness (mm)	Diametru exterior Outer diameter (mm)	Greutate Weight (kg/km)	Rezistenta max. Max. conductor resistance (ohm/km)	Sarcina Current carrying capacity (A)
1X25	rm	1.2	1.8	12.5	365	0.7270	146
1X35	rm	1.2	1.8	13.7	470	0.5240	185
1X50	rm	1.4	1.8	15.5	616	0.3870	219
1X70	rm	1.4	1.8	17.3	834	0.2680	281
1X95	rm	1.6	1.8	19.7	1121	0.1930	341
1X120	rm	1.6	1.8	21.3	1373	0.1530	396
1X150	rm	1.8	1.8	23.3	1668	0.1240	456
1X185	rm	2	1.8	25.5	2020	0.0991	521
1X240	rm	2.2	2.0	29.2	2691	0.0754	615
2X1.5	ru	0.8	1.8	10.5	164	12.1000	23
2X2.5	ru	0.8	1.8	11.2	201	7.4100	32
2X4	ru	1	1.8	12.8	273	4.6200	42
2X6	ru	1	1.8	14.4	362	3.0800	53
2X10	ru	1	1.8	16.0	487	1.8300	74
2X16	ru	1	1.8	18.0	674	1.1500	88
2X25	rm	1.2	1.8	23.0	1065	0.7270	101
3X1.5	ru	0.8	1.8	10.9	186	12.1000	23
3X2.5	ru	0.8	1.8	11.8	233	7.4100	32
3X4	ru	1	1.8	14.1	346	4.6200	42
3X6	ru	1	1.8	15.1	431	3.0800	53
3X10	ru	1	1.8	16.9	593	1.8300	74
3X16	ru	1	1.8	19.0	839	1.1500	80
3X25	rm	1.2	1.8	24.5	1320	0.7270	101
3X25/16	rm/rm	1.2	1.8	26.8	1603	0.7270	101
3X35	rm	1.2	1.8	27.0	1698	0.5240	126
3X35/16	rm/rm	1.2	1.8	29.6	2025	0.5240	126
3X50/25	sm/rm	1.4	1.8	27.2	2037	0.3870	153
3X70/35	sm/rm	1.4	2.0	30.6	2833	0.2680	196
3X95/50	sm/sm	1.6	2.2	35.1	3715	0.1930	238
3X120/70	sm/sm	1.6	2.3	38.1	4692	0.1530	276
3X35/16	sm/sm	1.8	2.4	42.1	5615	0.1240	319
3X185+120	sm/sm	2	2.6	46.4	7216	0.0991	364
3X240+120	sm/sm	2.2	2.8	52.0	9189	0.0754	430
4X1.5	ru	0.8	1.8	11.7	219	12.1000	23
4X2.5	ru	0.8	1.8	12.6	278	7.4100	32
4X4	ru	1	1.8	15.1	415	4.6200	42
4X6	ru	1	1.8	16.3	524	3.0800	53
4X10	ru	1	1.8	18.3	730	1.8300	74
4X16	ru	1	1.8	20.7	1045	1.1500	80
4X25	rm	1.2	1.8	26.8	1649	0.7270	101
4X35	rm	1.2	1.8	29.6	2133	0.5240	126
4X50	sm/rm	1.4	1.8	27.2	2154	0.3870	153
4X70	sm/rm	1.4	2.0	30.6	3053	0.2680	196
4X95	sm/sm	1.6	2.2	35.1	4002	0.1930	238
4X120	sm/sm	1.6	2.3	38.1	4993	0.1530	276
4X150	sm/sm	1.8	2.4	42.1	6068	0.1240	319
4X185	sm/sm	2	2.6	46.4	7616	0.0991	364
4X240	sm/sm	2.2	2.8	52.0	9981	0.0754	430

Nr. conductori x sectiunea Cores no x cross-section (nxmm2)	Forma conductor Conductor shape	Grosime izolatie Insulation thickness (mm)	Grosime manta Outer sheath thickness (mm)	Diametru exterior Outer diameter (mm)	Greutate Weight (kg/km)	Rezistenta max. Max. conductor resistance (ohm/km)	Sarcina Current carrying capacity (A)
5X1.5	ru	0.8	1.8	12.5	256	12.1000	21
5X2.5	ru	0.8	1.8	14.2	351	7.4100	30
5X4	ru	1	1.8	16.3	491	4.6200	42
5X6	ru	1	1.8	17.6	625	3.0800	53
5X10	ru	1	1.8	19.8	879	1.8300	74
5X16	ru	1	1.8	22.5	1267	1.1500	80
5X25	rm	1.2	1.8	29.3	2010	0.7270	101
5X35	rm	1.2	2.2	33.2	2673	0.5240	175
NYCY							
1X10/10	ru	1	1.8	19.5	549	1.8300	74
1X16/16	ru	1	1.8	21.5	696	1.1500	105
2X1.5/1.5	ru	0.8	1.8	14.2	265	12.1000	23
2X2.5/2.5	ru	0.8	1.8	15.0	308	7.4100	32
2X4/4	ru	1	1.8	17.2	423	4.6200	42
2X6/6	ru	1	1.8	18.6	525	3.0800	53
2X10/10	ru	1	1.8	20.6	694	1.8300	74
2X16/16	ru	1	1.8	23.3	963	1.1500	88
3X1.5/1.5	ru	0.8	1.8	14.9	301	12.1000	23
3X2.5/2.5	ru	0.8	1.8	15.9	360	7.4100	32
3X4/4	ru	1	1.8	18.3	500	4.6200	42
3X6/6	ru	1	1.8	19.5	604	3.0800	53
3X10/10	ru	1	1.8	22.1	845	1.8300	74
3X16/16	ru	1	1.8	25.0	1188	1.1500	80
4X1.5/1.5	ru	0.8	1.8	15.8	344	12.1000	23
4X2.5/2.5	ru	0.8	1.8	17.1	429	7.4100	32
4X4/4	ru	1	1.8	19.4	585	4.6200	42
4X6/6	ru	1	1.8	20.8	715	3.0800	53
4X10/10	ru	1	1.8	23.6	1008	1.8300	74
4X16/16	ru	1	1.8	26.8	1444	1.1500	80
5X1.5/1.5	ru	0.8	1.8	15.8	353	12.1000	21
5X2.5/2.5	ru	0.8	1.8	17.1	444	7.4100	30
5X4/4	ru	1	1.8	19.4	610	4.6200	42
5X6/6	ru	1	1.8	20.8	753	3.0800	53
5X10/10	ru	1	1.8	23.6	1073	1.8300	74
5X16/16	ru	1	1.8	26.8	1554	1.1500	80

ru – conductor rotund unifilar | round solid conductor
rm – conductor rotund multifilar | round stranded conductor
sm –conductor sector multifilar | stranded sector shaped conductor