CYY-F, CYEY-F, CYEABY-F, CYABY-F
CYY, CYEY, CYEABY, CYABY

Cabluri de energie | Power cable



Constructie

1. Conductor de cupru unifilar clasa 1, sau multifilar clasa 2
2. Izolatie din PVC
3. Umplutura
-Ecran din banda de cupru
-Manta interioara din PVC
-Amatura din banda de otel
4. Manta exterioara din PVC

Construction

1. Solid or multiwire copper conductor
2. PVC insulation
3. Filler
-Copper foil screen
-Inner PVC sheath
-Armour of steel tape
4. 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: SR CEI 60502-1
Identificare conductori conf. HD 308
Utilizare: in instalatii fixe exterioare ingropate in pamant sau sub tencuiala.
Culoarea mantalei: negru, gri
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: SR CEI 60502-1
Core identification acc. to HD 308
Use: for fixed outdoor installations in ground or in concrete.
Colour of sheath: black, grey
Standard packing: coils 100, drums, one-way reels
Flame retardation according to SR CEI 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 (mm)	Diametru exterior Outer diameter (mm)	Greutate Weight (kg/km)	Rezistenta max. Max. conductor resistance (ohm/km)	Sarcina Current carrying Capacity (A)
CYY-F							
1X1.5	ru	0.8	1.4	5.7	51	12.1000	23
1X2.5	ru	0.8	1.4	6.1	63	7.4100	32
1X4	ru	1	1.4	6.9	87	4.6200	42
1X6	ru	1	1.4	7.4	110	3.0800	53

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)
1X10	ru	1	1.4	8.1	151	1.8300	74
1X16	ru	1	1.4	9.1	215	1.1500	105
1X25	rm	1.2	1.8	12.5	365	0.7270	146
1X35	rm	1.2	1.8	13.5	449	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	19.3	1068	0.1930	341
1X120	rm	1.6	1.8	21.1	1338	0.1530	396
1X150	rm	1.8	1.8	23.0	1603	0.1240	456
1X185	rm	2	1.8	25.2	1963	0.0991	521
1X240	rm	2.2	1.9	28.5	2571	0.0754	615
2X1.5	ru	0.8	1.4	9.3	133	12.1000	23
2X2.5	ru	0.8	1.4	10.0	168	7.4100	32
2X4	ru	1	1.8	12.8	273	4.6200	42
2X6	ru	1	1.8	13.8	338	3.0800	53
2X10	ru	1	1.8	15.3	452	1.8300	74
2X16	ru	1	1.8	17.2	624	1.1500	88
2X25	rm	1.2	1.8	22.4	1025	0.7270	101
3X1.5	ru	0.8	1.4	9.7	154	12.1000	23
3X2.5	ru	0.8	1.8	11.8	233	7.4100	32
3X4	ru	1	1.8	13.5	322	4.6200	42
3X6	ru	1	1.8	14.5	406	3.0800	53
3X10	ru	1	1.8	16.2	554	1.8300	74
3X16	ru	1	1.8	18.2	780	1.1500	80
3X25	rm	1.2	1.8	23.9	1278	0.7270	101
3X25/16	rm/ru	1.2	1.8	26.2	1552	0.7270	101
3X35	rm	1.2	1.8	25.9	1578	0.5240	126
3X35/16	rm/ru	1.2	1.8	28.5	1888	0.5240	126
3X50/25	sm/rm	1.4	1.8	25.6	1977	0.3870	153
3X70/35	sm/rm	1.4	1.9	28.8	2688	0.2680	196
3X95/50	sm/sm	1.6	2.1	33.3	3568	0.1930	238
3X120/70	sm/sm	1.6	2.2	36.3	4525	0.1530	276
3X150/70	sm/sm	1.8	2.4	40.5	5432	0.1240	319
3X185/95	sm/sm	2	2.5	44.6	6721	0.0991	364
3X240/120	sm/sm	2.2	2.7	50.2	8754	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	14.5	390	4.6200	42
4X6	ru	1	1.8	15.7	496	3.0800	53
4X10	ru	1	1.8	17.5	685	1.8300	74
4X16	ru	1	1.8	19.8	976	1.1500	80
4X25	rm	1.2	1.8	26.2	1603	0.7270	101
4X25/16	rm/ru	1.2	1.9	28.9	1922	0.7270	101
4X35	rm	1.2	1.8	28.5	1989	0.5240	126
4X35/16	rm/ru	1.2	2.0	31.7	2367	0.5240	126
4X50	sm	1.4	1.8	25.6	2130	0.3870	153
4X70	sm	1.4	1.9	28.8	2933	0.2680	196
4X95	sm	1.6	2.1	33.3	3863	0.1930	238
4X120	sm	1.6	2.2	36.3	4858	0.1530	276
4X150	sm	1.8	2.4	40.5	5935	0.1240	319

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)
4X185	sm	2	2.5	44.6	7311	0.0991	364
4X240	sm	2.2	2.7	50.2	9559	0.0754	430
5X1.5	ru	0.8	1.8	12.5	256	12.1000	21
5X2.5	ru	0.8	1.8	13.6	327	7.4100	30
5X4	ru	1	1.8	15.7	464	4.6200	42
5X6	ru	1	1.8	17.0	595	3.0800	53
5X10	ru	1	1.8	19.0	828	1.8300	74
5X16	ru	1	1.8	21.6	1187	1.1500	80
5X25	rm	1.2	1.9	28.9	1973	0.7270	101
5X35	rm	1.2	2.0	31.7	2468	0.5240	175
CYEY-F							
1X10	ru	1	1.4	8.1	172	1.8300	74
1X16	ru	1	1.4	9.1	239	1.1500	105
1X25	rm	1.2	1.8	12.5	398	0.7270	146
1X35	rm	1.2	1.8	13.5	486	0.5240	185
1X50	rm	1.4	1.8	15.5	660	0.3870	219
1X70	rm	1.4	1.8	17.3	884	0.2680	281
1X95	rm	1.6	1.8	19.3	1126	0.1930	341
1X120	rm	1.6	1.8	21.1	1402	0.1530	396
1X150	rm	1.8	1.8	23.0	1674	0.1240	456
1X185	rm	2	1.8	25.2	2042	0.0991	521
1X240	rm	2.2	1.9	28.5	2661	0.0754	615
2X1.5	ru	0.8	1.4	9.3	158	12.1000	23
2X2.5	ru	0.8	1.4	10.0	195	7.4100	32
2X4	ru	1	1.8	12.8	308	4.6200	42
2X6	ru	1	1.8	13.8	376	3.0800	53
2X10	ru	1	1.8	15.3	495	1.8300	74
2X16	ru	1	1.8	17.2	674	1.1500	88
2X25	rm	1.2	1.8	22.4	1094	0.7270	101
3X1.5	ru	0.8	1.4	9.7	181	12.1000	23
3X2.5	ru	0.8	1.8	11.8	263	7.4100	32
3X4	ru	1	1.8	13.5	359	4.6200	42
3X6	ru	1	1.8	14.5	447	3.0800	53
3X10	ru	1	1.8	16.2	600	1.8300	74
3X16	ru	1	1.8	18.2	834	1.1500	80
3X25	rm	1.2	1.8	23.9	1352	0.7270	101
3X25/16	rm/ru	1.2	1.8	26.2	1634	0.7270	101
3X35	rm	1.2	1.8	25.9	1660	0.5240	126
3X35/16	rm/ru	1.2	1.8	28.5	1978	0.5240	126
3X50/25	sm/rm	1.4	1.8	25.6	2058	0.3870	153
3X50	sm	1.4	1.8	23.4	1739	0.3870	153
3X70/35	sm/rm	1.4	1.9	28.8	2779	0.2680	196
3X70	sm	1.4	1.8	26.0	2348	0.2680	196
3X95/50	sm/sm	1.6	2.1	33.3	3674	0.1930	238
3X120/70	sm/sm	1.6	2.2	36.3	4641	0.1530	276
3X150/70	sm/sm	1.8	2.4	40.5	5562	0.1240	319
3X185/95	sm/sm	2	2.5	44.6	6864	0.0991	364
3X240/120	sm/sm	2.2	2.7	50.2	8916	0.0754	430
4X1.5	ru	0.8	1.8	11.7	250	12.1000	23

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)
4X2.5	ru	0.8	1.8	12.6	311	7.4100	32
4X4	ru	1	1.8	14.5	430	4.6200	42
4X6	ru	1	1.8	15.7	541	3.0800	53
4X10	ru	1	1.8	17.5	736	1.8300	74
4X16	ru	1	1.8	19.8	1035	1.1500	80
4X25	rm	1.2	1.8	26.2	1685	0.7270	101
4X35	rm	1.2	1.8	28.5	2079	0.5240	126
4X50	sm	1.4	1.8	25.6	2211	0.3870	153
4X70	sm	1.4	1.9	28.8	3024	0.2680	196
4X95	sm	1.6	2.1	33.3	3969	0.1930	238
4X120	sm	1.6	2.2	36.3	4973	0.1530	276
4X150	sm	1.8	2.4	40.5	6065	0.1240	319
4X185	sm	2	2.5	44.6	7455	0.0991	364
4X240	sm	2.2	2.7	50.2	9721	0.0754	430
5X1.5	ru	0.8	1.8	12.5	289	12.1000	21
5X2.5	ru	0.8	1.8	13.6	364	7.4100	30
5X4	ru	1	1.8	15.7	509	4.6200	42
5X6	ru	1	1.8	17.0	644	3.0800	53
5X10	ru	1	1.8	19.0	885	1.8300	74
5X16	ru	1	1.8	21.6	1253	1.1500	80
5X25	rm	1.2	1.9	28.9	2064	0.7270	101
5X35	rm	1.2	2.0	31.7	2568	0.5240	175
CYEABY-F							
1X10	ru	1	1.6	11.4	292	1.8300	74
1X16	ru	1	1.8	12.7	384	1.1500	105
1X25	rm	1.2	1.8	15.3	557	0.7270	146
1X35	rm	1.2	1.8	16.3	657	0.5240	185
1X50	rm	1.4	1.8	18.3	856	0.3870	219
1X70	rm	1.4	1.8	20.1	1103	0.2680	281
1X95	rm	1.6	1.8	22.1	1370	0.1930	341
1X120	rm	1.6	1.8	23.9	1668	0.1530	396
1X150	rm	1.8	1.8	25.8	1963	0.1240	456
1X185	rm	2	1.9	28.2	2372	0.0991	521
1X240	rm	2.2	1.9	31.3	3018	0.0754	615
2X1.5	ru	0.8	1.5	12.0	276	12.1000	23
2X2.5	ru	0.8	1.5	12.7	323	7.4100	32
2X4	ru	1	1.8	15.1	448	4.6200	42
2X6	ru	1	1.8	16.1	528	3.0800	53
2X10	ru	1	1.8	17.6	664	1.8300	74
2X16	ru	1	1.8	19.5	864	1.1500	88
2X25	rm	1.2	1.8	24.7	1343	0.7270	101
3X1.5	ru	0.8	1.5	12.4	305	12.1000	23
3X2.5	ru	0.8	1.8	14.1	393	7.4100	32
3X4	ru	1	1.8	15.8	507	4.6200	42
3X6	ru	1	1.8	16.8	607	3.0800	53
3X10	ru	1	1.8	18.5	779	1.8300	74
3X16	ru	1	1.8	20.5	1036	1.1500	80
3X25	rm	1.2	1.8	26.2	1617	0.7270	101
3X25/16	rm/ru	1.2	1.8	28.5	1925	0.7270	101

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)
3X35	rm	1.2	1.8	28.2	1948	0.5240	126
3X35/16	rm/ru	1.2	1.9	31.0	2310	0.5240	126
3X50/25	sm/rm	1.4	1.8	28.4	2380	0.3870	153
3X50	sm	1.4	1.8	26.2	2035	0.3870	153
3X70/35	sm/rm	1.4	1.9	32.0	3174	0.2680	196
3X70	sm	1.4	1.8	28.8	2676	0.2680	196
3X95/50	sm/sm	1.6	2.3	36.9	4162	0.1930	238
3X120/70	sm/sm	1.6	2.4	39.9	5171	0.1530	276
3X150/70	sm/sm	1.8	2.5	44.3	6174	0.1240	319
3X185/95	sm/sm	2	2.7	48.6	7562	0.0991	364
3X240/120	sm/sm	2.2	2.9	54.2	9698	0.0754	430
4X1.5	ru	0.8	1.8	14.0	378	12.1000	23
4X2.5	ru	0.8	1.8	14.9	450	7.4100	32
4X4	ru	1	1.8	16.8	590	4.6200	42
4X6	ru	1	1.8	18.0	715	3.0800	53
4X10	ru	1	1.8	19.8	931	1.8300	74
4X16	ru	1	1.8	22.1	1255	1.1500	80
4X25	rm	1.2	1.8	28.5	1976	0.7270	101
4X35	rm	1.2	1.9	31.0	2412	0.5240	126
4X50	sm	1.4	1.8	28.4	2533	0.3870	153
4X70	sm	1.4	1.9	32.0	3419	0.2680	196
4X95	sm	1.6	2.3	36.9	4457	0.1930	238
4X120	sm	1.6	2.4	39.9	5504	0.1530	276
4X150	sm	1.8	2.5	44.3	6677	0.1240	319
4X185	sm	2	2.7	48.6	8152	0.0991	364
4X240	sm	2.2	2.9	54.2	10502	0.0754	430
5X1.5	ru	0.8	1.8	14.8	427	12.1000	21
5X2.5	ru	0.8	1.8	15.9	514	7.4100	30
5X4	ru	1	1.8	18.0	682	4.6200	42
5X6	ru	1	1.8	19.3	832	3.0800	53
5X10	ru	1	1.8	21.3	1096	1.8300	74
5X16	ru	1	1.8	23.9	1493	1.1500	80
5X25	rm	1.2	1.9	31.2	2385	0.7270	101
5X35	rm	1.2	2.2	34.8	2988	0.5240	175
CYABY-F							
1X10	ru	1	1.6	11.4	271	1.8300	74
1X16	ru	1	1.8	12.7	360	1.1500	105
1X25	rm	1.2	1.8	15.3	524	0.7270	146
1X35	rm	1.2	1.8	16.3	620	0.5240	185
1X50	rm	1.4	1.8	18.3	812	0.3870	219
1X70	rm	1.4	1.8	20.1	1053	0.2680	281
1X95	rm	1.6	1.8	22.1	1312	0.1930	341
1X120	rm	1.6	1.8	23.9	1604	0.1530	396
1X150	rm	1.8	1.8	25.8	1892	0.1240	456
1X185	rm	2	1.9	28.2	2293	0.0991	521
1X240	rm	2.2	1.9	31.3	2928	0.0754	615
2X1.5	ru	0.8	1.5	12.0	252	12.1000	23
2X2.5	ru	0.8	1.5	12.7	295	7.4100	32
2X4	ru	1	1.8	15.1	414	4.6200	42

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)
2X6	ru	1	1.8	16.1	490	3.0800	53
2X10	ru	1	1.8	17.6	621	1.8300	74
2X16	ru	1	1.8	19.5	814	1.1500	88
2X25	rm	1.2	1.8	24.7	1274	0.7270	101
3X1.5	ru	0.8	1.5	12.4	278	12.1000	23
3X2.5	ru	0.8	1.8	14.1	362	7.4100	32
3X4	ru	1	1.8	15.8	471	4.6200	42
3X6	ru	1	1.8	16.8	566	3.0800	53
3X10	ru	1	1.8	18.5	733	1.8300	74
3X16	ru	1	1.8	20.5	982	1.1500	80
3X25	rm	1.2	1.8	26.2	1543	0.7270	101
3X25/16	rm/ru	1.2	1.8	28.5	1843	0.7270	101
3X35	rm	1.2	1.8	28.2	1867	0.5240	126
3X35/16	rm/ru	1.2	1.9	31.0	2220	0.5240	126
3X50/25	sm/rm	1.4	1.8	28.4	2300	0.3870	153
3X50	sm	1.4	1.8	26.2	1962	0.3870	153
3X70/35	sm/rm	1.4	1.9	32.0	3083	0.2680	196
3X70	sm	1.4	1.8	28.8	2594	0.2680	196
3X95/50	sm/sm	1.6	2.3	36.9	4056	0.1930	238
3X120/70	sm/sm	1.6	2.4	39.9	5055	0.1530	276
3X150/70	sm/sm	1.8	2.5	44.3	6045	0.1240	319
3X185/95	sm/sm	2	2.7	48.6	7419	0.0991	364
3X240/120	sm/sm	2.2	2.9	54.2	9536	0.0754	430
4X1.5	ru	0.8	1.8	14.0	347	12.1000	23
4X2.5	ru	0.8	1.8	14.9	416	7.4100	32
4X4	ru	1	1.8	16.8	550	4.6200	42
4X6	ru	1	1.8	18.0	670	3.0800	53
4X10	ru	1	1.8	19.8	879	1.8300	74
4X16	ru	1	1.8	22.1	1196	1.1500	80
4X25	rm	1.2	1.8	28.5	1894	0.7270	101
4X35	rm	1.2	1.9	31.0	2321	0.5240	126
4X50	sm	1.4	1.8	28.4	2453	0.3870	153
4X70	sm	1.4	1.9	32.0	3328	0.2680	196
4X95	sm	1.6	2.3	36.9	4351	0.1930	238
4X120	sm	1.6	2.4	39.9	5388	0.1530	276
4X150	sm	1.8	2.5	44.3	6548	0.1240	319
4X185	sm	2	2.7	48.6	8009	0.0991	364
4X240	sm	2.2	2.9	54.2	10341	0.0754	430
5X1.5	ru	0.8	1.8	14.8	393	12.1000	21
5X2.5	ru	0.8	1.8	15.9	476	7.4100	30
5X4	ru	1	1.8	18.0	637	4.6200	42
5X6	ru	1	1.8	19.3	783	3.0800	53
5X10	ru	1	1.8	21.3	1039	1.8300	74
5X16	ru	1	1.8	23.9	1427	1.1500	80
5X25	rm	1.2	1.9	31.2	2293	0.7270	101
5X35	rm	1.2	2.2	34.8	2888	0.5240	175

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