

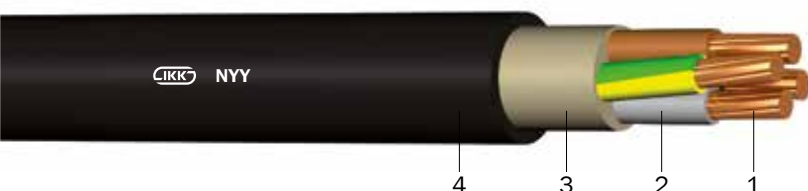


INTERKABEL KYIV

NY Y

Underground cable with PVC insulation and PVC sheath

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM)
- 4 | Sheath (PVC black, UV resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – if no risk of any mechanical damage is to be expected.

TECHNICAL DATA



Standard:
DIN VDE 0276-603 (HD 603)



Rated voltage:
0.66/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
laying temperature: min. -5 °C
operating temperature: -30 °C up to +70 °C
conductor temperature: max. +70 °C short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
18 x Ø of cable (single core)
15 x Ø of cable (multi-core ≤ 95 mm²)
18 x Ø of cable (multi-core > 95 mm²)



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
UkrSepro certification in Ukraine EZÚ
Czech Republic, VDE Germany

Number and nominal cross-section of cores (mm²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
NY Y			
1 x 1,5 RE	5,4	43	12,1000
1 x 2,5 RE	5,8	55	7,4100
1 x 4 RE	6,6	78	4,6100
1 x 6 RE	7,1	100	3,0800
1 x 10 RE	7,9	141	1,8300
1 x 16 RM	9,7	221	1,1500
1 x 25 RM	11,4	328	0,7270
1 x 35 RM	12,6	429	0,5240
1 x 50 RM	14,2	577	0,3870
1 x 70 RM	15,8	770	0,2680
1 x 95 RM	18,1	1 049	0,1930
1 x 120 RM	19,9	1 251	0,1530



INTERKABEL KYIV

NYN

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
NYN			
4 x 70 RM	36,4	3 572	0,2680
4 x 95 RM	41,0	4 771	0,1930
4 x 120 RM	46,6	5 818	0,1530
4 x 150 RM	48,4	7 023	0,1240
4 x 185 RM	54,3	8 869	0,0991
4 x 240 RM	61,1	11 140	0,0754
5 x 1,5 RE	12,6	229	12,1000
5 x 2,5 RE	13,3	295	7,4100
5 x 4 RE	15,6	429	4,6100
5 x 6 RE	17,0	552	3,0800
5 x 10 RE	19,1	782	1,8300
5 x 16 RM	22,7	1 178	1,1500
5 x 25 RM	27,5	1 796	0,7270
5 x 35 RM	30,9	2 361	0,5240
5 x 50 RM	35,6	3 238	0,3870
5 x 70 RM	40,2	4 317	0,2680
5 x 95 RM	45,7	5 879	0,1930
5 x 120 RM	51,7	7 070	0,1530
5 x 150 RM	54,1	8 605	0,1240
5 x 185 RM	60,3	10 809	0,0991
5 x 240 RM	68,8	13 764	0,0754

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)
Subject to technical changes.



INTERKABEL KYIV

NYY

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
NYY			
1 x 150 RM	21,0	1 532	0,1240
1 x 185 RM	23,6	1 945	0,0991
1 x 240 RM	26,4	2 434	0,0754
2 x 1,5 RE	9,5	136	12,1000
2 x 2,5 RE	10,9	185	7,4100
2 x 4 RE	12,7	260	4,6100
2 x 6 RE	13,7	324	3,0800
2 x 10 RE	15,2	440	1,8300
2 x 16 RM	17,6	631	1,1500
2 x 25 RM	21,3	953	0,7270
2 x 35 RM	23,8	1 237	0,5240
2 x 50 RM	27,4	1 676	0,3870
2 x 70 RM	30,6	2 202	0,2680
2 x 95 RM	34,8	2 945	0,1930
2 x 120 RM	38,4	3 544	0,1530
2 x 150 RM	40,6	4 240	0,1240
2 x 185 RM	45,6	5 375	0,0991
2 x 240 RM	51,2	6 760	0,0754
3 x 1,5 RE	10,6	169	12,1000
3 x 2,5 RE	11,5	215	7,4100
3 x 4 RE	13,3	305	4,6100
3 x 6 RE	14,4	387	3,0800
3 x 10 RE	16,1	537	1,8300
3 x 16 RM	19,1	799	1,1500
3 x 25 RM	22,6	1 190	0,7270
3 x 35 RM	25,7	1 578	0,5240
3 x 50 RM	29,2	2 117	0,3870
3 x 70 RM	32,6	2 807	0,2680
3 x 95 RM	37,2	3 776	0,1930
3 x 120 RM	40,4	4 517	0,1530
3 x 150 RM	44,0	5 548	0,1240
3 x 185 RM	48,8	6 985	0,0991
3 x 240 RM	55,4	8 826	0,0754
4 x 1,5 RE	11,7	200	12,1000
4 x 2,5 RE	12,3	253	7,4100
4 x 4 RE	14,4	365	4,6100
4 x 6 RE	15,6	467	3,0800
4 x 10 RE	17,5	656	1,8300
4 x 16 RM	20,7	984	1,1500
4 x 25 RM	25,1	1 496	0,7270
4 x 35 RM	28,1	1 961	0,5240
4 x 50 RM	32,0	2 659	0,3870

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)
Subject to technical changes.

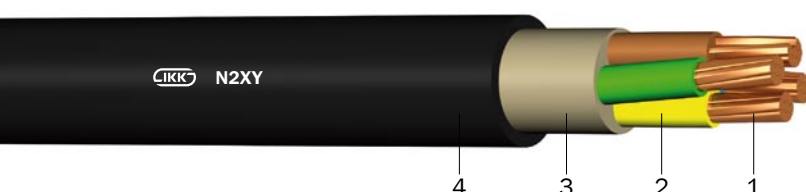


INTERKABEL KYIV

N2XY

Underground cable with XLPE insulation and PVC sheath

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (EPDM)
- 4 | Sheath (PVC black, UV resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – if no risk of any mechanical damage is to be expected.

TECHNICAL DATA



Standard:
DIN VDE 0276-603 (HD 603)



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. –5 °C
 operating temperature: –30 °C up to +90 °C
 conductor temperature: max. +90 °C short-circuit temperature: max. +250 °C/5 s



Bending radius (min.):
 18 x Ø of cable (single core)
 15 x Ø of cable (multi-core ≤ 95 mm²)
 18 x Ø of cable (multi-core > 95 mm²)



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2



Certificate:
UkrSepr certification in Ukraine

Number and nominal cross-section of cores (mm²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Ωm/km)
N2XY			
1 x 1,5	5,4	40	12,1000
1 x 2,5	5,8	52	7,4100
1 x 4	6,6	73	4,6100
1 x 6	7,5	96	3,0800
1 x 10	7,9	135	1,8300
1 x 16	9,7	208	1,1500
1 x 25	11,4	308	0,7270
1 x 35	12,6	405	0,5240
1 x 50	14,2	544	0,3870
1 x 70	15,8	742	0,2680

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)
Subject to technical changes.



INTERKABEL KYIV

N2XY

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Ωm/km)
N2XY			
1 x 95	17,7	998	0,1930
1 x 120	19,9	1 211	0,1530
1 x 150	21,0	1 487	0,1240
1 x 185	23,2	1 870	0,0991
1 x 240	26,4	2 364	0,0754
1 x 300	31,0	3 053	0,0601
2 x 1,5	11,7	194	12,1000
2 x 2,5	12,5	233	7,4100
2 x 4	14,3	313	4,6100
2 x 6	15,3	380	3,0800
2 x 10	16,8	501	1,8300
2 x 16	19,6	715	1,1500
2 x 25	22,9	1 027	0,7270
2 x 35	25,8	1 341	0,5240
2 x 50	29,0	1 761	0,3870
2 x 70	32,2	2 294	0,2680
2 x 95	36,4	3 043	0,1930
2 x 120	39,4	3 606	0,1530
2 x 150	42,6	4 393	0,1240
2 x 185	47,4	5 513	0,0991
2 x 240	53,4	6 957	0,0754
3 x 1,5	12,9	225	12,1000
3 x 2,5	14,0	269	7,4100
3 x 4	14,9	357	4,6100
3 x 6	16,0	441	3,0800
3 x 10	17,7	596	1,8300
3 x 16	20,7	863	1,1500
3 x 25	24,6	1 278	0,7270
3 x 35	27,3	1 651	0,5240
3 x 50	30,8	2 188	0,3870
3 x 70	34,6	2 913	0,2680
3 x 95	38,8	3 853	0,1930
3 x 120	42,4	4 624	0,1530
3 x 150	45,8	5 654	0,1240
3 x 185	50,6	7 062	0,0991
3 x 240	57,4	8 953	0,0754
4 x 1,5	12,9	243	12,1000
4 x 2,5	13,9	302	7,4100
4 x 4	16,0	417	4,6100
4 x 6	16,5	517	3,0800

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)
Subject to technical changes.



INTERKABEL KYIV

N2XY

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
N2XY			
4 x 10	19,5	734	1,8300
4 x 16	22,3	1 046	1,1500
4 x 25	26,7	1 560	0,7270
4 x 35	29,7	2 029	0,5240
4 x 50	33,6	2 702	0,3870
4 x 70	37,8	3 616	0,2680
4 x 95	42,8	4 857	0,1930
4 x 120	46,8	5 815	0,1530
4 x 150	50,2	7 083	0,1240
4 x 185	55,9	8 919	0,0991
4 x 240	63,1	11 233	0,0754
5 x 1,5	13,8	275	12,1000
5 x 2,5	14,9	346	7,4100
5 x 4	17,2	482	4,6100
5 x 6	19,0	625	3,0800
5 x 10	21,1	862	1,8300
5 x 16	24,7	1 262	1,1500
5 x 25	29,1	1 857	0,7270
5 x 35	32,5	2 424	0,5240
5 x 50	37,2	3 275	0,3870
5 x 70	41,6	4 350	0,2680
5 x 95	47,5	5 900	0,1930
5 x 120	51,5	7 015	0,1530
5 x 150	55,7	8 617	0,1240
5 x 185	61,7	10 798	0,0991
5 x 240	70,6	13 762	0,0754

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)
Subject to technical changes.



INTERKABEL KYIV

1-CYKY

Underground cable with PVC insulation and PVC sheath

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM or plastic tape)
- 4 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – if no risk of any mechanical damage is to be expected.

TECHNICAL DATA



Standard:
TP PRAKAB 01/03



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. -5 °C
 operating temperature: -50 °C up to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
15 x Ø of cable



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2



Certificate:
 UkrSepro certification in Ukraine
 EZÚ Czech Republic, EVPÚ Slovak Republic,
 CU-TR Russia, Belarus and Kazakhstan

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
1-CYKY			
4 x 25 RE	0,752	22,4	1 350
4 x 25 RM	0,752	23,8	1 360
5 x 25 RE	0,752	24,5	1 630
5 x 25 RM	0,752	26,1	1 740
3 x 35 + 25 RE/RE	0,537/0,752	22,4	1 650
3 x 35 + 25 RM/RM	0,537/0,752	23,8	1 780
4 x 35 RE	0,537	24,8	1 770
4 x 35 RM	0,537	26,2	1 810

1) basic rated current acc. to TP PRAKAB 01/03
 Subject to technical changes.

1-CYKY

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
1-CYKY			
5 x 35 RE	0,537	27,1	2 150
5 x 35 RM	0,537	28,8	2 240
3 x 50 + 35 SM/RE	0,387/0,537	30,4	2 170
3 x 50 + 35 SM/RM	0,387/0,537	30,4	2 060
4 x 50 RM	0,387	31,3	2 590
4 x 50 SM	0,387	30,4	2 360
3 x 70 + 50 SM/RM	0,268/0,387	33,6	2 800
4 x 70 RM	0,268	35,8	3 510
4 x 70 SM	0,268	34,9	3 140
3 x 95 + 50 SM/RM	0,268/0,387	37,5	3 600
3 x 95 + 70 SM/RM	0,198/0,268	39,3	3 940
4 x 95 RM	0,198	41,3	4 730
4 x 95 SM	0,198	39,3	4 210
3 x 120 + 50 SM/RM	0,157/0,387	40,0	4 270
3 x 120 + 70 SM/RM	0,157/0,268	43,0	4 430
4 x 120 SM	0,157	43,0	5 250
3 x 150 + 70 SM/RM	0,124/0,268	46,8	5 350
4 x 150 SM	0,124	46,8	6 620
3 x 185 + 95 SM/RM	0,102/0,198	49,8	6 780
4 x 185 SM	0,102	49,8	8 030
3 x 240 + 120 SM/RM	0,078/0,157	56,4	8 570
4 x 240 SM	0,078	56,4	9 690

1) basic rated current acc. to TP PRAKAB 01/03
Subject to technical changes.

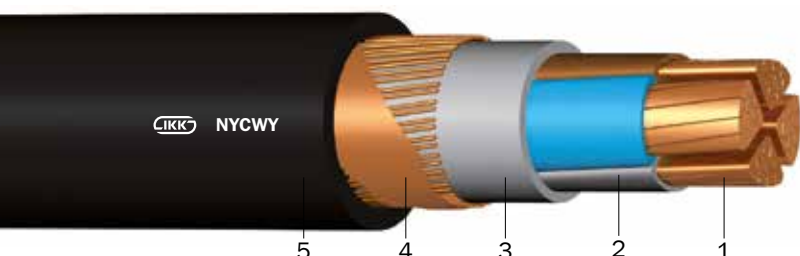


INTERKABEL KYIV

NYCWY

Underground cable with PVC insulation and PVC sheath, screened

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM)
- 4 | Concentric screen (bare copper wires applied with changing direction of lay) and counter helix (copper tape)
- 5 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations – if protection against shock hazard in the event of mechanical damage or electrical screening is required. The concentric ear-der conductor can be used as PE or PEN conductor and needs not be cut when assembling branch joints.

TECHNICAL DATA



Standard:
DIN VDE 0276-603 (HD 603)



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. –5 °C
 operating temperature: –50 °C up to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
20 x Ø of cable



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2



Certificate:
 UkrSepro certification in Ukraine
 VDE Germany, CU-TR Russia, Belarus and
 Kazakhstan

NYCWY

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
NYCWY			
2 x 10 RE/10	1,830	19,0	645
3 x 10 RE/10	1,830	21,5	855
4 x 10 RE/10	1,830	22,0	915
2 x 16 RE/16	1,150	22,0	890
3 x 16 RE/16	1,150	24,0	1 020
4 x 16 RE/16	1,150	25,5	1 310
3 x 25 RM/16	0,727	26,0	1 440
3 x 25 RM/25	0,727	26,5	1 530
4 x 25 RM/16	0,727	28,0	1 710
3 x 35 SM/16	0,524	28,0	1 590
3 x 35 SM/35	0,524	29,0	1 950
4 x 35 SM/16	0,524	31,5	1 990
3 x 50 SM/25	0,387	32,0	2 120
3 x 50 SM/50	0,387	32,5	2 330
4 x 50 SM/25	0,387	36,0	2 690
3 x 70 SM/35	0,268	36,0	2 940
3 x 70 SM/70	0,268	36,5	3 260
4 x 70 SM/35	0,268	40,5	3 650
3 x 95 SM/50	0,193	40,5	3 870
3 x 95 SM/95	0,193	41,5	4 320
4 x 95 SM/50	0,193	46,0	5 010
3 x 120 SM/70	0,153	44,0	4 780
3 x 120 SM/120	0,153	46,0	5 260
4 x 120 SM/70	0,153	50,0	6 740
3 x 150 SM/70	0,124	48,5	5 870
3 x 150 SM/150	0,124	50,0	6 610
4 x 150 SM/70	0,124	56,0	7 990
3 x 185 SM/95	0,099	52,5	8 120
4 x 185 SM/95	0,099	59,5	9 310
3 x 240 SM/120	0,075	59,0	9 320
4 x 240 SM/120	0,075	66,0	12 110
1 x 300 RM/35	0,060	34,3	3 760

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)
Subject to technical changes.

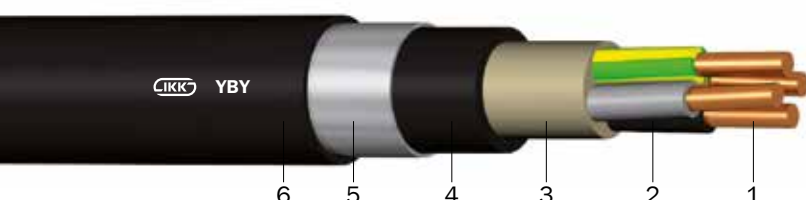


INTERKABEL KYIV

YBY

Underground cable with PVC insulation and PVC sheath, steel-tape armoured

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM or plastic tape)
- 4 | Sheath (PVC black)
- 5 | Armouring (galvanized steel tape)
- 6 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations – if high protection against mechanical damage is required.

TECHNICAL DATA



Standard:
IEC 60502-1



Rated voltage:
0.6/1 kV



Test voltage:
3.5 kV/50 Hz



Temperature range:
 laying temperature: min. –5 °C
 operating temperature: –50 °C to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
15 x Ø of cable



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2



Certificate:
 UkrSepro certification in Ukraine
 CU-TR Russia, Belarus and Kazakhstan

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Ωm/km)
YBY			
2 x 1,5 RE	12,100	11,5	200
3 x 1,5 RE	12,100	12,0	225
4 x 1,5 RE	12,100	13,0	250
5 x 1,5 RE	12,100	14,0	285
2 x 2,5 RE	7,410	12,3	240
3 x 2,5 RE	7,410	12,5	270

YBY

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Ωm/km)
YBY			
4 x 2,5 RE	7,410	13,6	305
5 x 2,5 RE	7,410	15,5	370
2 x 4 RE	4,610	15,0	420
3 x 4 RE	4,610	15,5	460
4 x 4 RE	4,610	16,0	530
5 x 4 RE	4,610	18,0	625
2 x 6 RE	3,080	16,0	475
3 x 6 RE	3,080	17,0	555
4 x 6 RE	3,080	18,0	655
5 x 6 RE	3,080	19,5	760
2 x 10 RE	1,830	18,0	630
3 x 10 RE	1,830	19,0	745
4 x 10 RE	1,830	20,2	940
5 x 10 RE	1,830	21,6	1 090
4 x 10 RM	1,830	20,5	975
5 x 10 RM	1,830	22,0	1 110
2 x 16 RE	1,150	19,0	845
3 x 16 RE	1,150	21,3	985
4 x 16 RE	1,150	23,2	1 240
5 x 16 RE	1,150	25,5	1 520
3 x 16 RM	1,150	22,0	1 030
4 x 16 RM	1,150	24,0	1 290
5 x 16 RM	1,150	26,0	1 500
4 x 25 RM	0,727	27,5	1 830
4 x 35 SM	0,524	28,7	2 040
3 x 50 + 25 SM/RM	0,387/0,727	32,0	2 460
3 x 70 + 35 SM/RM	0,268/0,524	36,0	3 350
3 x 95 + 50 SM/RM	0,193/0,387	39,0	4 200
3 x 120 + 70 SM/RM	0,153/0,268	44,0	5 250
3 x 150 + 70 SM/RM	0,124/0,268	49,0	6 290
3 x 185 + 95 SM/RM	0,099/0,193	56,0	7 720
3 x 240 + 120 SM/RM	0,075/0,153	59,0	9 830

1) basic rated current acc. to IEC 60502-1
Subject to technical changes.

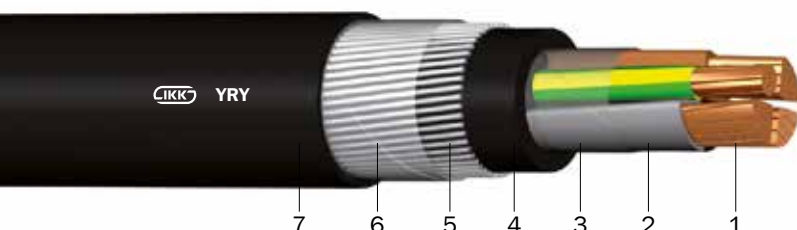


INTERKABEL KYIV

YRY

Underground cable with PVC insulation and PVC sheath, steel-wire armoured

DESIGN



- 1 | Copper conductor, round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM or plastic tape)
- 4 | Sheath (PVC black)
- 5 | Armouring (galvanized steel wires)
- 6 | Outer covering (plastic tape)
- 7 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations – if high protection against mechanical damage is required.

TECHNICAL DATA



Standard:
IEC 60502-1



Rated voltage:
0.6/1 kV



Test voltage:
3.5 kV/50 Hz



Temperature range:
 laying temperature: min. –5 °C
 operating temperature: –50 °C to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
15 x Ø of cable



Core identification:
HD 308 S2



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
UkrSepro certification in Ukraine
CU-TR Russia, Belarus and Kazakhstan

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
YRY			
3 x 35 + 16 SM/RM	0,524/1,150	31,0	2 480
3 x 50 + 25 SM/RM	0,387/0,727	35,7	3 420
3 x 70 + 35 SM/RM	0,268/0,524	39,6	4 400
3 x 95 + 50 SM/RM	0,193/0,387	46,0	6 050
3 x 120 + 70 SM/RM	0,153/0,268	49,0	7 250
3 x 150 + 95 SM/RM	0,124/0,193	54,5	8 760
3 x 185 + 95 SM/RM	0,099/0,193	59,8	10 320
3 x 240 + 120 SM/RM	0,075/0,153	68,9	12 830

1) basic rated current acc. to IEC 60502-1
Subject to technical changes.



INTERKABEL KYIV

NAYY

Underground cable with PVC insulation and PVC sheath

DESIGN



- 1 | Aluminium conductor, round solid (RE), sector-shaped solid (SE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM)
- 4 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – if no risk of any mechanical damage is to be expected.

TECHNICAL DATA



Standard:
DIN VDE 0276-603 (HD 603)



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. –5 °C
 operating temperature: –30 °C up to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
 15 x Ø of cable (single core)
 12 x Ø of cable (multi-core)



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2



Certificate:
 UkrSepro certification in Ukraine
 EZÚ Czech Republic, VDE Germany

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
NAYY			
1 x 2,5 RE	5,8	40	12,1000
1 x 4 RE	6,6	54	7,4100
1 x 6 RE	7,1	64	5,1100
1 x 10 RE	7,9	82	3,0800
1 x 16 RM	9,7	118	1,9100
1 x 25 RM	11,4	175	1,2000
1 x 35 RM	12,6	217	0,8680
1 x 50 RM	14,2	282	0,6410
1 x 70 RM	15,8	314	0,4430
1 x 95 RM	18,1	474	0,3200

NAYY

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Ωm/km)
NAYY			
1 x 120 RM	19,9	555	0,2530
1 x 150 RM	21,0	657	0,2060
1 x 185 RM	23,6	827	0,1640
1 x 240 RM	26,4	1 022	0,1250
2 x 2,5 RE	10,9	155	12,1000
2 x 4 RE	12,7	211	7,4100
2 x 6 RE	13,7	250	5,1100
2 x 10 RE	15,2	318	3,0800
2 x 16 RM	17,6	409	1,9100
2 x 25 RM	21,3	645	1,2000
2 x 35 RM	23,8	809	0,8680
2 x 50 RM	27,4	1 081	0,6410
2 x 70 RM	30,6	1 365	0,4430
2 x 95 RM	34,8	1 782	0,3200
2 x 120 RM	38,4	2 136	0,2530
2 x 150 RM	40,6	2 469	0,2060
2 x 185 RM	45,6	3 112	0,1640
2 x 240 RM	51,2	3 903	0,1250
3 x 2,5 RE	11,5	169	12,1000
3 x 4 RE	13,3	232	7,4100
3 x 6 RE	14,4	277	5,1100
3 x 10 RE	16,1	355	3,0800
3 x 16 RM	19,1	460	1,9100
3 x 25 RM	22,6	727	1,2000
3 x 35 RM	25,7	936	0,8680
3 x 50 RM	29,2	1 224	0,6410
3 x 70 RM	32,6	1 551	0,4430
3 x 95 RM	37,2	2 032	0,3200
3 x 120 RM	40,4	2 404	0,2530
3 x 150 RM	44,0	2 892	0,2060
3 x 185 RM	48,8	3 589	0,1640
3 x 240 RM	55,4	4 540	0,1250
4 x 2,5 RE	12,3	192	12,1000
4 x 4 RE	14,4	267	7,4100
4 x 6 RE	15,6	320	5,1100
4 x 10 RE	17,5	414	3,0800
4 x 16 RM	20,7	558	1,9100
4 x 25 RM	25,1	880	1,2000
4 x 35 RM	28,1	1 104	0,8680
4 x 50 RM	32,0	1 467	0,6410

* conductor is non-compressed

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)

Subject to technical changes.

NAYY

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
NAYY			
4 x 70 RM	36,4	1 897	0,4430
4 x 95 RM	41,0	2 446	0,3200
4 x 120 RM	46,6	3 000	0,2530
4 x 150 RM	48,4	3 482	0,2060
4 x 185 RM	54,3	4 342	0,1640
4 x 240 RM	61,1	5 425	0,1250
5 x 2,5 RE	13,3	219	12,1000
5 x 4 RE	15,6	306	7,4100
5 x 6 RE	17,0	368	5,1100
5 x 10 RE	19,1	479	3,0800
5 x 16 RM	22,7	648	1,9100
5 x 25 RM	27,5	1 025	1,2000
5 x 35 RM	30,9	1 290	0,8680
5 x 50 RM	35,6	1 749	0,6410
5 x 70 RM	40,2	2 225	0,4430
5 x 95 RM	45,7	2 950	0,3200
5 x 120 RM	51,7	3 548	0,2530
5 x 150 RM	54,1	4 178	0,2060
5 x 185 RM	60,3	5 150	0,1640
5 x 240 RM	68,8	6 621	0,1250

* conductor is non-compressed

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)

Subject to technical changes.



INTERKABEL KYIV

AVVG – 0,66 kV and 1 kV

Cover cable with aluminum cores, PVC insulation, PVC sheath as well as compound

DESIGN



- 1) Core: aluminum, single-core or multi-core, 1st or 2nd class according to GOST 22483.
- 2) PVC insulation. Insulated cores of multi-core cables in different or with digital markings. Coiling: insulated cores are twisted.
- 3) PVC sheath.

APPLICATION

For transmission and distribution of electric energy in stationary installations (rated alternating voltage 0.66 kV and 1 kV frequency 50 Hz). For laying in dry and damp industrial buildings, special cable trestles, blocks as well as open air.

TECHNICAL DATA



Standard:
GOST 16442-80



Rated voltage:
0,66/1 кВ



Test voltage:
3/3,5 кВ



Test voltage:
3.5 kV/50 Hz



Temperature range:
laying temperature: min. –15 °C
operating temperature: –50 °C to +50 °C



Bending radius (min.):
- single-core: not less than 10 diameters of the cable;
- multi-core: not less than 7.5 diameters of the cable.



Core identification:
HD 308 S2



Fire properties:
Cables are fire-resistant for single laying according to DSTU 4809.



Certificate:
UkrSepr certification in Ukraine

Number of cores x cross-section (mm ²)	Cable diameter (mm)	Mass of 1 km (kg)	Electrical resistance of cores according to GOST 22483, Not more than (Om/km)
AVVG – 0,66 kV			
1 x 2,5	5,4	34	12,1000
1 x 4	6,0	45	7,4100
1 x 6	6,5	54	5,1100
1 x 10	7,7	77	3,0800
1 x 16	9,2	112	1,9100
1 x 16	9,9	124	1,9100
1 x 25	11,6	174	1,2000
1 x 35	12,7	214	0,8680
1 x 50	14,5	279	0,6410

It is possible to manufacture cables according to individual requirements. The parameters given in the table are approximate. The manufacturer reserves the right to change them.



INTERKABEL KYIV

AVVG – 0,66 kV and 1 kV

Number of cores x cross-section (mm ²)	Cable diameter (mm)	Mass of 1 km (kg)	Electrical resistance of cores according to GOST 22483, Not more than (Om/km)
AVVG – 0,66 kV			
2 x 2,5	8,3	64	12,1000
2 x 4	10,3	99	7,4100
2 x 6	11,3	119	5,1100
2 x 10	13,6	169	3,0800
2 x 16	15,4	220	1,1600
2 x 16	16,7	240	1,1600
2 x 25	20,6	359	1,2000
2 x 35	22,9	441	0,8680
2 x 50	26,8	601	0,6410
3 x 2,5	9,4	92	12,1000
3 x 4	10,8	122	7,4100
3 x 6	11,9	149	5,1100
3 x 10	14,4	218	3,0800
3 x 16	16,4	288	1,9100
3 x 16	17,8	315	1,9100
3 x 25	21,9	476	1,2000
3 x 35	24,7	614	0,8680
3 x 50	28,5	809	0,6410
4 x 2,5	10,1	110	12,1000
4 x 4	11,7	147	7,4100
4 x 6	13,0	183	5,1100
4 x 10	15,8	270	3,0800
4 x 16	18,0	361	1,9100
4 x 16	20,0	413	1,9100
4 x 25	24,5	622	1,2000
4 x 35	27,2	774	0,8680
4 x 50	31,5	1 028	0,6410
5 x 2,5	11,0	128	12,1000
5 x 4	12,8	174	7,4100
5 x 6	14,2	217	5,1100
5 x 10	17,3	324	3,0800
5 x 16	20,2	454	1,9100
5 x 16	21,9	497	1,9100
5 x 25	27,0	750	1,2000
5 x 35	30,1	937	0,8680
5 x 50	35,2	1 281	0,6410
AVVG – 1 kV			
1 x 2,5	5,8	39	12,1000
1 x 4	6,6	53	7,4100

It is possible to manufacture cables according to individual requirements.
The parameters given in the table are approximate. The manufacturer reserves the right to change them.



INTERKABEL KYIV

AVVG – 0,66 kV and 1 kV

Number of cores x cross-section (mm ²)	Cable diameter (mm)	Mass of 1 km (kg)	Electrical resistance of cores according to GOST 22483, Not more than (Om/km)
AVVG – 0,66 kV			
1 x 6	7,1	63	5,1100
1 x 10	7,9	80	3,0800
1 x 16	9,4	116	1,9100
1 x 16	10,1	129	1,9100
1 x 25	11,8	180	1,2000
1 x 35	12,9	220	0,8680
1 x 50	14,7	286	0,6410
1 x 70	16,5	362	0,4430
1 x 95	19,0	483	0,3200
1 x 120	20,3	556	0,2530
1 x 150	22,1	669	0,2060
1 x 185	24,8	840	0,1640
1 x 240	27,3	1 030	0,1250
1 x 300	31,0	1 325	0,1000
1 x 400	39,1	1 783	0,0778
2 x 2,5	9,7	87	12,1000
2 x 4	11,5	117	7,4100
2 x 6	12,5	138	5,1100
2 x 10	14,0	177	3,0800
2 x 16	15,8	228	1,9100
2 x 16	17,1	250	1,9100
2 x 25	21,0	371	1,2000
2 x 35	23,3	454	0,8680
2 x 50	27,2	616	0,6410
2 x 70	30,7	775	0,4430
2 x 95	35,3	1 026	0,3200
2 x 120	37,9	1 177	0,2530
2 x 150	41,7	1 413	0,2060
2 x 185	46,5	1 763	0,1640
2 x 240	51,7	2 156	0,1250
3 x 2,5	10,2	106	12,1000
3 x 4	12,1	145	7,4100
3 x 6	13,2	175	5,1100
3 x 10	14,8	228	3,0800
3 x 16	16,8	299	1,9100
3 x 16	18,6	345	1,9100
3 x 25	22,3	492	1,2000
3 x 35	25,1	631	0,8680
3 x 50	28,9	829	0,6410

It is possible to manufacture cables according to individual requirements.
The parameters given in the table are approximate. The manufacturer reserves the right to change them.



INTERKABEL KYIV

AVVG – 0,66 kV and 1 kV

Number of cores x cross-section (mm ²)	Cable diameter (mm)	Mass of 1 km (kg)	Electrical resistance of cores according to GOST 22483, Not more than (Om/km)
AVVG – 1 kV			
3 x 70	32,7	1 056	0,4430
3 x 95	37,6	1 402	0,3200
3 x 120	40,4	1 618	0,2530
3 x 150	44,9	1 997	0,2060
3 x 185	49,7	2 446	0,1640
3 x 240	55,6	3 062	0,1250
4 x 2,5	11,1	127	12,1000
4 x 4	13,2	177	7,4100
4 x 6	14,4	215	5,1100
4 x 10	16,3	283	3,0800
4 x 16	18,9	392	1,9100
4 x 16	20,4	430	1,9100
4 x 25	25,0	642	1,2000
4 x 35	27,7	797	0,8680
4 x 50	31,9	1 054	0,6410
4 x 70	36,6	1 382	0,4430
4 x 95	41,7	1 794	0,3200
4 x 120	45,2	2 118	0,2530
4 x 150	49,8	2 564	0,2060
4 x 185	55,5	3 203	0,1640
4 x 240	61,7	3 950	0,1250
4 x 300	71,6	5 279	0,1000
5 x 2,5	12,1	149	12,1000
5 x 4	14,4	210	7,4100
5 x 6	15,8	256	5,1100
5 x 10	17,9	339	3,0800
5 x 16	20,7	471	1,9100
5 x 16	22,5	517	1,9100
5 x 25	27,5	775	1,2000
5 x 35	30,6	965	0,8680
5 x 50	35,7	1 314	0,6410
5 x 70	40,5	1 682	0,4430
5 x 95	46,6	2 233	0,3200
5 x 120	50,1	2 585	0,2530
5 x 150	55,6	3 188	0,2060
5 x 185	61,6	3 921	0,1640
5 x 240	69,6	5 004	0,1250

It is possible to manufacture cables according to individual requirements.
The parameters given in the table are approximate. The manufacturer reserves the right to change them.

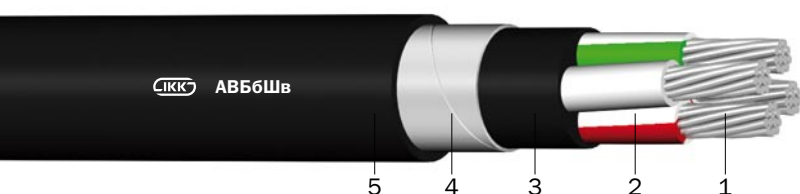


INTERKABEL KYIV

AVBbSHv – 0.66 kV and 1 kV

Power cable with aluminum cores, PVC insulation, sheath type «BbSHv» (armour – galvanized steel tape, PVC protective hose).

DESIGN



- 1) Aluminum single-core and multi-core, class «1» and class «2» according to GOST 22483.
- 2) PVC insulation. Insulated cores of multi-core cables have distinctive colors or digital markings.
- 3) PVC sheath.
- 4) Armour: 2 galvanized steel tapes with overlapping winding.
- 5) PVC protective hose.

APPLICATION

For transmission and distribution of electricity in stationary installations with 0.66 kV and 1 kV rated alternating voltage, 50 Hz frequency. For laying in cable structures, rooms and underground structures without stretching by using, for laying in the ground.

TECHNICAL DATA


Standard:

GOST 16442-80
TU U 3.67-00217099.3-94


Rated voltage:

0.6/1 kV


Test voltage:

3/3.5 kV


Temperature range:

laying temperature: min. –15 °C
operating temperature: –50 °C up to +50


Bending radius (min.):

not less than 10 diameters of the cable (single core)
not less than 7.5 diameters of the cable (multi-core)


Fire properties:

Cables are fire-resistant for single laying according to DSTU 4809


Certificate:

UkrSepro certification in Ukraine

Number of cores x cross-section (mm ²)	Cable diameter (mm)	Mass of 1 km (kg)	Electrical resistance of cores according to GOST 22483, Not more than (Om/km)
AVBbSHv – 0,66 кВ			
2 x 6	16,1	176	5,110
2 x 10	18,4	231	3,080
2 x 16	20,2	285	1,910
2 x 16	21,5	308	1,910
2 x 25	25,4	439	1,200
2 x 35	27,7	525	0,868
2 x 50	31,2	667	0,641
3 x 4	15,6	178	7,410
3 x 6	16,7	208	5,110

Subject to technical changes.



INTERKABEL KYIV

AVBbSHv – 0.66 kV and 1 kV

Number of cores x cross-section (mm²)	Cable diameter (mm)	Mass of 1 km (kg)	Electrical resistance of cores according to GOST 22483, Not more than (Om/km)
AVBbSHv – 0,66 кV			
3 x 10	19,2	281	3,080
3 x 16	21,2	355	1,910
3 x 16	22,6	384	1,910
3 x 25	26,7	558	1,200
3 x 35	29,1	678	0,868
3 x 50	32,9	877	0,641
4 x 4	16,5	206	7,410
4 x 6	17,8	243	5,110
4 x 10	20,6	336	3,080
4 x 16	22,8	431	1,910
4 x 16	24,8	491	1,910
4 x 25	28,9	686	1,200
4 x 35	31,6	841	0,868
4 x 50	36,3	1 133	0,641
5 x 4	17,6	234	7,410
5 x 6	19,0	280	5,110
5 x 10	22,1	393	3,080
5 x 16	25,0	533	1,910
5 x 16	26,7	579	1,910
5 x 25	31,4	816	1,200
5 x 35	34,9	1 040	0,868
5 x 50	39,6	1 361	0,641
AVBbSHv – 1 кV			
2 x 6	17,3	198	5,110
2 x 10	18,8	239	3,080
2 x 16	20,6	293	1,910
2 x 16	21,9	318	1,910
2 x 25	25,8	451	1,200
2 x 35	28,1	538	0,868
2 x 50	31,6	682	0,641
2 x 70	35,5	880	0,443
2 x 95	39,7	1 106	0,320
2 x 120	42,3	1 260	0,253
2 x 150	46,5	1 544	0,206
2 x 185	50,9	1 862	0,164
2 x 240	56,5	2 314	0,125
3 x 4	16,9	204	7,410
3 x 6	18,0	236	5,110
3 x 10	19,6	292	3,080
3 x 16	21,6	366	1,910
3 x 16	23,0	398	1,910

Subject to technical changes.



INTERKABEL KYIV

AVBbSHv – 0.66 kV and 1 kV

Number of cores x cross-section (mm ²)	Cable diameter (mm)	Mass of 1 km (kg)	Electrical resistance of cores according to GOST 22483, Not more than (Om/km)
AVBbSHv – 1 кV			
3 x 25	27,1	574	1,200
3 x 35	29,5	696	0,868
3 x 50	33,3	897	0,641
3 x 70	37,5	1 164	0,443
3 x 95	42,0	1 484	0,320
3 x 120	45,2	1 747	0,253
3 x 150	49,3	2 093	0,206
3 x 185	54,1	2 547	0,164
3 x 240	60,0	3 177	0,125
4 x 4	18,0	238	7,410
4 x 6	19,2	278	5,110
4 x 10	21,1	349	3,080
4 x 16	23,3	446	1,910
4 x 16	25,2	509	1,910
4 x 25	29,4	707	1,200
4 x 35	32,1	864	0,868
4 x 50	36,7	1 160	0,641
4 x 70	41,0	1 463	0,443
4 x 95	46,5	1 926	0,320
4 x 120	49,6	2 214	0,253
4 x 150	54,2	2 666	0,206
4 x 185	59,9	3 317	0,164
4 x 240	67,1	4 233	0,125
4 x 300	76,0	5 431	0,100
5 x 2,5	16,9	207	12,100
5 x 4	19,2	273	7,410
5 x 6	20,6	322	5,110
5 x 10	22,7	409	3,080
5 x 16	25,5	551	1,910
5 x 16	27,3	600	1,910
5 x 25	31,9	842	1,200
5 x 35	35,4	1 069	0,868
5 x 50	40,1	1 394	0,641
5 x 70	45,3	1 811	0,443
5 x 95	51,0	2 331	0,320
5 x 120	54,5	2 688	0,253
5 x 150	60,0	3 303	0,206
5 x 185	67,0	4 204	0,164
5 x 240	74,0	5 153	0,125

Subject to technical changes.