INTERKABEL KYIV

AsXS, AsXSn

Insulated bundled overhead line

DESIGN

1 | Aluminium conductor with increased breaking load, round stranded compressed (RM)
2 | Core insulation (XLPE black, UV-resistant); 2 or 4 cores of equal cross section are stranded together in left-hand lay, additionaly 1 or 2 cores of reduced cross section can be co-stranded

APPLICATION

Can be used for fixed installation as overhead power lines up to 1,000 V inclusive. Not suitable for direct burial.

TECHNICAL DATA

Standard:
DIN VDE 0276-626 (HD 626)

Rated voltage:
0.6/1 kV

Test voltage:
4 kV/50 Hz

Temperature range:
laying temperature: min. –20 °C
operating temperature: –60 °C up to +50 °C
conductor temperature: max. +50 °C short-circuit temperature: max. +130 °C/5 s

Bending radius (min.):
10 x ∅ of cable

Core identification:
1, 2 resp. 3 raised longitudinal ribs on the surface of the cores. The surface of the neutral conductor is smooth.

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 with IEC 60228, no more (Om/km)	
AsXS, AsXSn				
2 x 10	14	95	3,080	–
2 x 16	15	130	1,910	1,5
2 x 25	18	200	1,200	2,3
2 x 35	20	265	0,868	3,2
2 x 50	23	365	0,641	4,6
2 x 70	27	490	0,443	6,5
2 x 95	31	660	0,320	8,8
2 x 120	34	840	0,253	10,9
3 x 10	15	145	3,080	–
3 x 16	16	195	1,910	1,5
3 x 25	19	300	1,200	2,3
3 x 35	22	395	0,868	3,2
3 x 50	25	550	0,641	4,6
3 x 70	29	735	0,443	6,5
3 x 95	34	990	0,320	8,8
3 x 120	37	1 250	0,253	10,9
4 x 10	17	190	3,080	–
4 x 16	18	270	1,910	1,5
4 x 25	23	400	1,200	2,3
4 x 35	24	530	0,868	3,2
4 x 50	29	730	0,641	4,6
4 x 70	32	980	0,443	6,5
4 x 95	38	1 320	0,320	8,8
4 x 120	41	1 660	0,253	10,9

INTERKABEL KYIV

SIP-1, SIPn-1

Insulated bundled overhead line with bare neutral conductor

DESIGN

1 | Aluminium conductor (phase conductor, round solid (RE)), round stranded compressed (RM)
2 | Bare alloy aluminium conductor (neutral conductor, AlMgSi), round stranded compressed (RM)
3 | Core insulation (PE black, UV-resistant)

APPLICATION

Can be used for fixed installation as overhead power lines up to 1,000 V inclusive. Not suitable for direct burial.

TECHNICAL DATA

Standard:
HD 626.5D

Rated voltage:
0.6/1 kV

Test voltage:
4 kV/50 Hz

Temperature range:
laying temperature: min. –20 °C
operating temperature: –60 °C up to +50 °C
conductor temperature: max. +50 °C
short-circuit temperature: max. +135 °C/5 s

Bending radius (min.):
10 x ∅ of cable

Core identification:
Raised longitudinal ribs on the surface of the cores, the surface of the core with least ribs bears type designation.

Certificate:
UkrSepro certification in Ukraine
EZÚ Czech Republic

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 with IEC 60228, no more (Om/km)
SIP-1, SIPn-1			
3 x 16 + 1 x 25	22	280	1,910/1,380
3 x 25 + 1 x 35	26	395	1,200/0,986
3 x 35 + 1 x 50	30	530	0,868/0,720
3 x 50 + 1 x 50	33	690	0,641/0,720
3 x 50 + 1 x 70	35	750	0,641/0,493
3 x 70 + 1 x 70	38	950	0,443/0,493
3 x 70 + 1 x 95	41	1 020	0,443/0,363
3 x 95 + 1 x 70	43	1 210	0,320/0,493
3 x 95 + 1 x 95	44	1 280	0,320/0,363
3 x 120 + 1 x 95	47	1 500	0,253/0,363
3 x 150 + 1 x 95	50	1 740	0,206/0,363
3 x 185 + 1 x 95	54	2 380	0,164/0,363
3 x 240 + 1 x 95	58	2 940	0,125/0,363
4 x 16 + 1 x 25	24	380	1,910/1,380
4 x 25 + 1 x 35	28	535	1,200/0,986

Subject to technical changes.

INTERKABEL KYIV

SIP-2, SIPn-2

Insulated bundled overhead line

DESIGN

1 I Aluminium conductor (phase conductor), round stranded compressed (RM)
2 I Alloy aluminium conductor (neutral conductor, AlMgSi), round stranded compressed (RM)
3 I Core insulation (XLPE black, UV-resistant), 3 cores of equal cross section stranded around neutral conducter in left hand lay, additionally 1 or 2 cores of reduced cross section can be co-stranded

APPLICATION

Can be used for fixed installation as overhead power lines up to 1,000 V inclusive. Not suitable for direct burial.

TECHNICAL DATA

Standard:
HD 626 S1

Rated voltage:
0.6/1 kV

Test voltage:
4 kV/50 Hz

Temperature range:
laying temperature: min. –20 °C
operating temperature: –60 °C to +50 °C
conductor temperature: max. +50 °C
short-circuit temperature: max. +130 °C/5 s

Bending radius (min.):
10 x ∅ of cable

Core identification:
1, 2 resp. 3 raised longitudinal ribs on the surface of the cores. The protective core is smooth.

Certificate:
UkrSepro certification in Ukraine

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 with IEC 60228, no more (Om/km)
SIP-2, SIPn-2			
3 x 16 + 1 x 25	23	310	1,910/1,380
3 x 25 + 1 x 35	27	430	1,200/0,986
3 x 35 + 1 x 50	31	570	0,868/0,720
3 x 50 + 1 x 50	34	730	0,641/0,720
3 x 50 + 1 x 70	36	800	0,641/0,493
3 x 70 + 1 x 70	40	990	0,443/0,493
3 x 70 + 1 x 95	42	1 090	0,443/0,363
3 x 95 + 1 x 70	44	1 250	0,320/0,493
3 x 95 + 1 x 95	45	1 340	0,320/0,363
3 x 120 + 1 x 95	48	1 570	0,253/0,363
3 x 150 + 1 x 95	51	1 790	0,206/0,363
3 x 185 + 1 x 95	55	2 410	0,164/0,363
3 x 240 + 1 x 95	59	2 980	0,125/0,363
4 x 16 + 1 x 25	25	420	1,910/1,380
4 x 25 + 1 x 35	29	580	1,200/0,986

Subject to technical changes.

INTERKABEL KYIV

SIP-4, SIPn-4

Insulated bundled overhead line

DESIGN

1 | Aluminium conductor with increased breaking load, round stranded compressed (RM)
2 | Core insulation (XLPE black, UV-resistant); 2 or 4 cores of equal cross section are stranded together in left-hand lay, additionaly 1 or 2 cores of reduced cross section can be co-stranded

APPLICATION

Can be used for fixed installation as overhead power lines up to 1,000 V inclusive. Not suitable for direct burial.

TECHNICAL DATA

Standard:
DIN VDE 0276-626 (HD 626)

Rated voltage:
0.6/1 kV

Test voltage:
4 kV/50 Hz

Temperature range:
laying temperature: min. –20 °C
operating temperature: –60 °C up to +50 °C
conductor temperature: max. +50 °C short-circuit temperature: max. +130 °C/5 s

Bending radius (min.):
10 x ∅ of cable

Core identification:
1, 2 resp. 3 raised longitudinal ribs on the surface of the cores. The surface of the neutral conductor is smooth.

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 with IEC 60228, no more (Om/km)	
SIP-4, SIPn-4				
2 x 10	14	95	3,080	–
2 x 16	15	130	1,910	1,5
2 x 25	18	200	1,200	2,3
2 x 35	20	265	0,868	3,2
2 x 50	23	365	0,641	4,6
2 x 70	27	490	0,443	6,5
2 x 95	31	660	0,320	8,8
2 x 120	34	840	0,253	10,9
3 x 10	15	145	3,080	–
3 x 16	16	195	1,910	1,5
3 x 25	19	300	1,200	2,3
3 x 35	22	395	0,868	3,2
3 x 50	25	550	0,641	4,6
3 x 70	29	735	0,443	6,5
3 x 95	34	990	0,320	8,8
3 x 120	37	1 250	0,253	10,9
4 x 10	17	190	3,080	–
4 x 16	18	270	1,910	1,5
4 x 25	23	400	1,200	2,3
4 x 35	24	530	0,868	3,2
4 x 50	29	730	0,641	4,6
4 x 70	32	980	0,443	6,5
4 x 95	38	1 320	0,320	8,8
4 x 120	41	1 660	0,253	10,9