



INTERKABEL KYIV

## AAsXSn, AAsXS

### Insulated medium voltage overhead line

#### DESIGN



- 1 | Bare alloy aluminium conductor (AlMgSi), round stranded compressed (RM). Longitudinally watertight by dry filling.  
2 | Core insulation (XLPE, black, UV resistant)

#### APPLICATION

Suitable for AC high-voltage overhead power lines. Provide protection against accidental contact with other live covered overhead conductors and with grounded parts. Since these cables are unshielded they are not touch proof and shall be treated as bare conductors in respect to electric shock.

#### TECHNICAL DATA



**Standard:**  
EN 50397-1



**Rated voltage:**  
20 - 35 kV



**Test voltage:**  
AAsXS - 20 - 6 kV  
AAsXSn - 35 - 10 kV



**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.):**  
18 x Ø of cable



**Certificate:**  
UkrSepro certification in Ukraine  
EZU Czech Republic,

Number and nominal cross-section of cores (mm <sup>2</sup> )	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
<b>AAsXSn, AAsXS - 20 kV</b>			
1 x 35	12	170	0,986
1 x 50	13	210	0,720
1 x 70	15	280	0,493
1 x 95	16	360	0,363
1 x 120	18	440	0,288
1 x 150	19	530	0,236
1 x 185	21	730	0,188
1 x 240	24	950	0,145
<b>AAsXSn, AAsXS - 35 kV</b>			
1 x 35	14	210	0,986
1 x 50	16	270	0,720
1 x 70	17	340	0,493
1 x 95	19	420	0,363
1 x 120	20	520	0,288
1 x 150	22	620	0,236
1 x 185	24	810	0,188
1 x 240	26	1 050	0,145

Subject to technical changes.



INTERKABEL KYIV

## SIP-3, SIPn-3

Insulated medium voltage overhead line

### DESIGN



- 1 | Bare alloy aluminium conductor (AlMgSi), round stranded compressed (RM). Longitudinally watertight by dry filling.  
2 | Core insulation (XLPE, black, UV resistant)

### APPLICATION

Suitable for AC high-voltage overhead power lines. Provide protection against accidental contact with other live covered overhead conductors and with grounded parts. Since these cables are unshielded they are not touch proof and shall be treated as bare conductors in respect to electric shock.

### TECHNICAL DATA



**Standard:**  
EN 50397-1



**Rated voltage:**  
20 - 35 kV



**Test voltage:**  
SIP-3 - 20 - 6 kV  
SIPn3 - 35 - 10 kV



**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.):**  
18 x Ø of cable



**Certificate:**  
UkrSepro certification in Ukraine  
EZU Czech Republic,

Number and nominal cross-section of cores (mm <sup>2</sup> )	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
<b>SIP-3, SIPn-3 - 20 kV</b>			
1 x 35	12	170	0,986
1 x 50	13	210	0,720
1 x 70	15	280	0,493
1 x 95	16	360	0,363
1 x 120	18	440	0,288
1 x 150	19	530	0,236
1 x 185	21	730	0,188
1 x 240	24	950	0,145
<b>SIP-3, SIPn-3 - 35 kV</b>			
1 x 35	14	210	0,986
1 x 50	16	270	0,720
1 x 70	17	340	0,493
1 x 95	19	420	0,363
1 x 120	20	520	0,288
1 x 150	22	620	0,236
1 x 185	24	810	0,188
1 x 240	26	1 050	0,145

Subject to technical changes.