

AsXSn

**XLPE insulated bundled overhead line,
flame retardant**

Standard: TP PRAKAB 17/03

Usage:

Can be used for fixed installation as overhead power lines up to 1000 V inclusive. Not suitable for direct burial.



Construction:

- 1 Aluminium conductor with increased breaking load, round stranded compacted (RM)
- 2 Core insulation (XLPE black, UV-resistant, flame retardant). 2 or 4 cores of equal cross section are stranded together in right-hand lay, additionally 1 or 2 cores of reduced cross section can be co-stranded



Rated voltage: 0.6/1 kV



Test voltage: 4000 Veff



Temperature range:

laying temperature: min. -5 °C
operating temperature: -30 °C to +80 °C
conductor temperature: max. +80 °C
short-circuit temperature: max. +130 °C/5 s



Bending radius (min.): 18 x core-Ø



Core identification:

1, 2 resp. 3 raised longitudinal ribs on the surface of the cores. The surface of the neutral conductor is smooth and marked with earth markings.



Fire properties:

flame retardant (EN 50265-2-1, IEC 60332-1)



Test certificate:

EZÚ Czech Republic, BBJ Poland

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Min. breaking load of conductor strand (kN)	Current rating in the air (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
AsXSn							
1 x 25 RM	1.200	4.0	94	8.8	74	106	1000 T
1 x 35 RM	0.868	5.5	113	9.8	103	135	1000 T
1 x 50 RM	0.641	8.0	140	11.5	147	182	1000 T
1 x 70 RM	0.443	10.7	178	13.1	206	253	1000 T
2 x 16 RM	1.910	2.5	64	14.4	94	147	1000 T
2 x 25 RM	1.200	4.0	94	17.6	147	208	1000 T
2 x 35 RM	0.868	5.5	113	19.6	206	272	1000 T
4 x 16 RM	1.910	2.5	64	17.4	188	286	1000 T
4 x 25 RM	1.200	4.0	94	21.2	294	430	1000 T
4 x 35 RM	0.868	5.5	113	23.6	412	553	1000 T
4 x 50 RM	0.641	8.0	140	27.7	588	746	1000 T
4 x 70 RM	0.443	10.7	178	31.6	823	1,009	1000 T
4 x 95 RM	0.320	13.7	220	36.4	1,117	1,332	1000 T
4 x 120 RM	0.253	19.1	265	41.0	1,411	1,653	1000 T
4 x 35 + 1 x 25 RM/RM	0.868/1.200	5.5/4.0	113/94	26.5	485	640	1000 T
4 x 35 + 1 x 35 RM/RM	0.868/0.868	5.5/5.5	113/113	26.5	515	670	1000 T
4 x 50 + 1 x 25 RM/RM	0.641/1.200	8.0/4.0	140/94	31.1	662	814	1000 T
4 x 50 + 1 x 35 RM/RM	0.641/0.868	8.0/5.5	140/113	31.1	691	845	1000 T
4 x 70 + 1 x 25 RM/RM	0.443/1.200	10.7/4.0	178/94	35.4	897	1,105	1000 T

AsXS_n

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Min. breaking load of conductor strand (kN)	Current rating in the air (A) ca.	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
AsXS_n							
4 x 70 + 1 x 35 RM/RM	0.443/0.868	10.7/5.5	178/113	35.4	632	1,150	1000 T
4 x 95 + 1 x 25 RM/RM	0.320/1.200	13.7/4.0	220/94	40.8	1,191	1,438	1000 T
4 x 95 + 1 x 35 RM/RM	0.320/0.868	13.7/5.5	220/113	40.8	1,220	1,467	1000 T
4 x 120 + 1 x 25 RM/RM	0.253/1.200	19.1/4.0	265/94	45.9	1,485	1,786	1000 T
4 x 120 + 1 x 35 RM/RM	0.253/0.868	19.1/5.5	265/113	45.9	1,514	1,901	1000 T
4 x 50 + 2 x 25 RM/RM	0.641/1.200	8.0/4.0	140/94	34.5	735	941	1000 T
4 x 50 + 2 x 35 RM/RM	0.641/0.868	8.0/5.5	140/113	34.5	794	1,004	1000 T
4 x 70 + 2 x 25 RM/RM	0.443/1.200	10.7/4.0	178/94	39.3	970	1,196	1000 T
4 x 70 + 2 x 35 RM/RM	0.443/0.868	10.7/5.5	178/113	39.3	1,029	1,289	1000 T
4 x 95 + 2 x 25 RM/RM	0.320/1.200	13.7/4.0	220/94	45.3	1,265	1,527	1000 T
4 x 95 + 2 x 35 RM/RM	0.320/0.868	13.7/5.5	220/113	45.3	1,323	1,605	1000 T
4 x 120 + 2 x 25 RM/RM	0.253/1.200	19.1/4.0	265/94	51.0	1,558	1,915	1000 T
4 x 120 + 2 x 35 RM/RM	0.253/0.868	19.1/5.5	265/113	51.0	1,617	1,987	1000 T

1) basic rated current acc. to TP PRAKAB 17/03
Subject to technical changes.