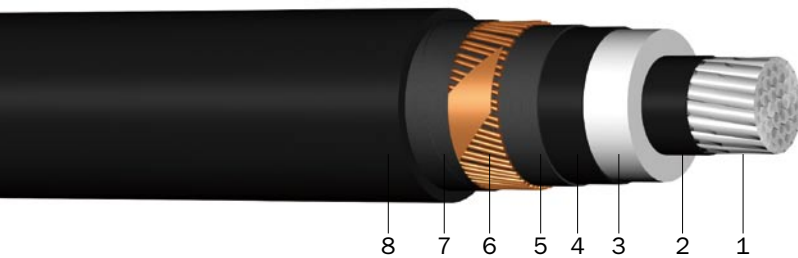


22–AXEKVCEY

Underground cable with XLPE insulation and PE + PVC sheath, longitudinally water-proof

DESIGN



- 1 | Aluminium conductor; round stranded compacted (RM)
- 2 | Inner semi-conductive layer (conductive XLPE)
- 3 | Core insulation (XLPE)
- 4 | Outer semi-conductive layer (conductive XLPE)
- 5 | Water swelling conductive tape under screen
- 6 | Screen (bare copper wires) and counter helix (copper tape)
- 7 | Water swelling conductive tape over screen
- 8 | Sheath (PE + PVC black, UV-resistant)

TECHNICAL DATA



Standard:
PNE 34 7625 – 4. edition



Rated voltage:
12.7/20 kV



Test voltage:
50 kV



Temperature range:
 laying temperature: min. –15 °C
 operating temperature: –50 °C up to +90 °C
 conductor temperature: max. +90 °C
 shor-circuit temperature: max. + 250 °C/ 5 s



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

APPLICATION

Cables are intended for installation in cable structures and in ground (trenches) being duly protected from mechanical damage. Cables may be installed in wet and partially flooded places.

Number of cores x nominal cross section / cross section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground (A)		Current rating in the air (A)		Short-circuit current (1 sec) (kA)		Outer diameter ca. (mm)	Total weight ca. (kg/km)	Standard lengths/ packing (m)
		Flat	Triangle	Flat	Triangle	Cable	Screen			
22–AXEKVCEY										
1 x 50 RM/16	0.641	185	175	225	190	4.7	3.1	33.2	1,060	500 D, 1,000 D
1 x 70 RM/16	0.443	225	215	280	240	6.6	3.1	34.8	1,170	500 D, 1,000 D
1 x 95 RM/16	0.320	263	253	348	301	8.9	3.1	36.4	1,300	500 D, 1,000 D
1 x 120 RM/16	0.253	298	288	402	348	11.3	3.1	37.8	1,430	500 D, 1,000 D
1 x 150 RM/25	0.206	330	322	451	394	14.2	4.8	39.3	1,640	500 D, 1,000 D
1 x 185 RM/25	0.164	371	365	516	452	17.5	4.8	40.9	1,780	500 D, 1,000 D
1 x 240 RM/25	0.125	426	422	605	533	22.7	4.8	43.1	2,010	500 D, 1,000 D
1 x 300 RM/25	0.100	477	476	690	611	28.2	4.8	45.3	2,250	500 D, 1,000 D
1 x 400 RM/25	0.078	526	541	783	712	37.6	4.8	48.7	2,730	500 D, 1,000 D
1 x 500 RM/35	0.061	588	615	897	824	47.0	6.7	51.7	3,110	500 D, 1,000 D
1 x 630 RM/35	0.047	655	699	1,023	953	59.2	6.7	54.9	3,580	500 D, 1,000 D

Subject to technical changes.