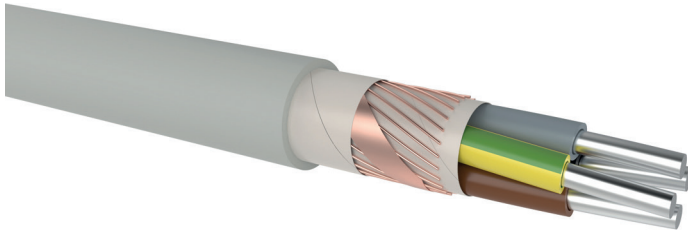


## A2XCWY SOFT

XLPE/PVC aluminium energy cable, screened

### DESIGN



- 1 | Aluminium conductor, round solid (RE), resp. sector-shaped stranded (SM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (plastic tape)
- 4 | Concentric screen (bare copper wires applied with changing direction of lay, counter helix (copper tape) and plastic tape)
- 5 | Sheath (PVC grey RAL 7035)

### 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. The concentric ceander conductor can be used as PE or PEN conductor and needs not be cut when assembling branch joints.

### TECHNICAL DATA



**Standard:**  
IEC 60502-1



**Rated voltage:**  
0.6/1 kV



**Test voltage:**  
core / core 4 kV / 50 Hz



**Temperature range:**  
 laying temperature: min. -5 °C  
 operating temperature: -50 °C up to 90 °C  
 conductor temperature: max. 90 °C  
 short circuit temperature: max. 250 °C/5 s



**Bending radius (min.):**  
12 x Ø of cable



**Core identification:**  
HD 308 S2



**Fire properties:**  
CPR classification: Dca-s2, d2, a1

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
<b>A2XCWY SOFT</b>						
4 x 16 RE/16	1.91	76	89	21.7	515	1000 D
4 x 25 RE/16	1.2	104	113	25.7	730	1000 D
4 x 35 RE/16	0.868	128	136	27.9	835	1000 D
4 x 50 SM/25	0.641	152	159	30.8	1150	1000 D
4 x 70 SM/35	0.443	194	197	33.7	1465	1000 D
4 x 95 SM/50	0.32	239	236	39.1	1940	500 D
4 x 120 SM/70	0.253	278	269	42.8	2425	500 D
4 x 150 SM/70	0.206	316	302	47.6	2910	500 D
4 x 185 SM/95	0.164	365	342	52.9	3610	500 D
4 x 240 SM/120	0.125	430	397	57.6	4645	500 D

Technical changes reserved. All figures are therefore without guarantee.