

RZ1 (AS) AL 3kV

Power cable, 1,8/3 kV
+90 °C service temperature, low-smoke, halogen free, fire retardant, cold and UV resistant
based on IEC 60502-1 and EN 50575

Application

Zero halogen aluminium power cable with improved fire characteristics for fixed installation. Zero halogen cables are suitable for installation in environments where smoke and toxic fumes may threaten life or valuable equipment.

Construction



1. Conductor: Aluminium conductor, stranded (class 2)
2. Insulation: XLPE insulation
3. Outer sheath: Halogen free polyolefin, green

Technical information

Operating voltage		1,8/3 kV
Max. permissible temperature at conductor		90 °C
Installation temperature		-0 °C to 50 °C
Min. operating temperature	fixed installation	-40 °C
Min. bending radius mm		15 x outer diameter in mm
Safety parameters		
Reaction to fire		EN 50399 B2 _{ca} – s1, d1, a1
Flame spread	single cable	IEC 60332-1-2
	bunched cables	IEC 60332-3-24
Halogen free		IEC 60754-1 /-2
Smoke density		IEC 61034-1/ -2
Additional parameters		
UV resistance		UNE 211605 / EN 50618
Water resistance		AD8

RZ1 (AS) AL 3kV

Power cable, 1,8/3 kV
+90 °C service temperature, low-smoke, halogen free, fire retardant, cold and UV resistant
based on IEC 60502-1 and EN 50575

N° of cores and cross section mm ²	Outer diameter approx. mm	Weight approx. kg/km	Open Air ¹ A	Buried ² A
1 x 70	18,5	440	237	170
1 x 95	19,7	525	289	204
1 x 120	21,1	615	337	233
1 x 150	21,9	685	389	261
1 x 185	23,5	805	447	296
1 x 240	26,0	1.005	530	343
1 x 300	28,1	1.180	613	386
1 x 400	31,0	1.495	740	444
1 x 630	39,0	2.310	996	575
1 x 800	44,0	2.940	1.168	660
4 G 150	49,2	3.330	346	261
4 G 185	53,4	4.025	397	296
4 G 240	59,8	5.100	470	343

¹ Reference method F for single-core and method E for multicore cables according to IEC 60364-5-52 in open air at 30°C ambient temperature.

² Reference method D2 according to IEC 60364-5-52. Directly buried at 0,7 m depth with soil thermal resistivity of 2,5 K·m/W and 20°C of ground temperature.

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.