

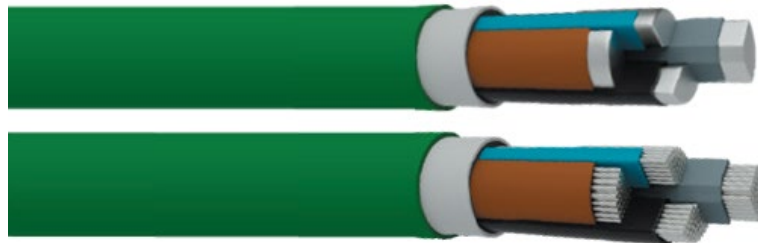
## EAXG C<sub>ca</sub> – s1, d1, a1

Safety power distribution cable, 0,6/1 kV  
+90 °C service temperature, low smoke, zero halogen, fire retardant  
EN 50575

### Application

Zero halogen installation cable with improved fire characteristics for various industrial and domestic applications where no mechanical damage is to be expected. Zero halogen cables are suitable for installation in environments where smoke and toxic fumes may threaten life or valuable equipment. For fixed installation in soil, in air, in ducts or cable tray, in pipes as well as embedded in concrete or masonry. Outdoor laying only permitted when protected from direct sunlight and other external impacts.

### Construction



1. Conductor: Aluminium conductor, bare, solid (class 1) or stranded (class 2)
2. Insulation: XLPE  
Core identification: according to HD 308 S2
3. Core covering: Halogen free
4. Outer sheath: Halogen free compound, green

### Technical information

Rated voltage	U <sub>0</sub> /U	0,6/1 kV
Max. permissible temperature at conductor		90 °C
Max. short circuit temperature of the conductor		250 °C (max. 5 sec)
Min temperature during installation		-5 °C
Min. bending radius mm	fixed installation	15 x outer diameter in mm (single core) 12 x outer diameter in mm (multicore)
<b>Safety parameters</b>		
Reaction to fire		EN 50399 C <sub>ca</sub> – 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

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N° of cores and cross section mm <sup>2</sup>	Average insulation thickness mm	Average outer sheath thickness mm	Outer diameter approx. mm	Weight approx. kg/km
1 x 16 rm	0,70	1,20	8,3	98
1 x 25 rm	0,90	1,20	9,8	139
1 x 35 rm	0,90	1,20	10,9	177
1 x 50 rm	1,00	1,20	12,4	236
1 x 70 rm	1,10	1,20	14,0	311
1 x 95 rm	1,10	1,30	15,8	405
1 x 120 rm	1,20	1,30	17,4	496
1 x 150 rm	1,40	1,30	19,2	609
1 x 185 rm	1,60	1,40	21,3	749
1 x 240 rm	1,70	1,40	23,7	941
1 x 300 rm	1,80	1,50	26,1	1159
1 x 400 rm	2,00	1,50	29,6	1506
1 x 500 rm	2,20	1,60	32,8	1866
1 x 630 rm	2,40	1,70	36,5	2326
4 x 50 sm/se	1,00	1,50	28,4	832
4 x 70 sm/se	1,10	1,60	32,4	1147
4 x 95 sm/se	1,10	1,70	35,6	1460
4 x 120 sm/se	1,20	1,70	40,6	1861
4 x 150 sm/se	1,40	1,80	44,8	2318
4 x 185 sm/se	1,60	1,90	49,2	2866
4 x 240 sm/se	1,70	2,00	54,9	3616
4 x 300 sm/se	1,80	2,10	61,8	4758

RE = round solid, class 1

RM = round stranded, class 2

SE = sector-shaped, solid, class 1

SM = sector-shaped, stranded, class 2

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