

Power cable ≥ 1 kV, for fixed installations EMC flex ROZ1-K(AS) EMC Cca



Application	: Flexible power supply cable with aluminium foil and additional braiding. Halogen free version with CPR Cca
TECHNICAL DATA	: TYPE ROZ1-K(AS) EMC Cca
Standards	: CPR Cca
Remarks	: Aluminium-polyester foil, optical density approx. 100%, tinned drain wire longitudinally applied. Tinned wire braiding, optical density approx. 85%.
Conductor material	: Copper, bare
Conductor category	: Class 5 = flexible
Shape of conductor	: Round
Core insulation material	: Crosslinked polyethylene (XLPE)
Core identification	: Colour
Protective conductor	: Yes
Inner sheath	: No
Screen	: Yes
Drain wire	: Yes
Number of pilot/reduced cores	: 0
Nominal cross sectional area of pilot/reduced core	: 0mm ²
Lead sheath	: No
Concentric conductor	: None
Armouring	: No
Material outer sheath	: Polyolefin
Colour outer sheath	: Black
Halogen free (acc. EN 60754-1/2)	: Yes
Flame retardant	: In accordance with EN 60332-3-24
Low smoke (acc. BS EN 61034-2)	: Yes
Insulation integrity	: No
Circuit integrity	: No
Permitted cable outer temperature during assembling/handling	: -40°C to 90°C
Permitted cable outer temperature after assembling without vibration	: -40°C to 90°C
Nominal voltage U ₀	: 0.6kV
Nominal voltage U	: 1kV
Reaction-to-fire class according to EN 13501-6	: Cca
Smoke development class according to EN 13501-6	: s1a

Euro class flaming droplets/particles according to EN 13501-6	: d1
Euro class acidity according to EN 13501-6	: a1
Conductor surface	: Bare
	: Yes
Laminated sheath	: No
Fibre optic elements	: No
	: Round
Longitudinal water blocking conductors	: No
Longitudinal water blocking screen	: No
Halogen free (acc. IEC 60754-2)	: Yes
Low smoke (acc. IEC 61034-2)	: Yes
Oil resistant (acc. IEC 60811-404)	: No
	: Yes
	: No
	: No
	: No
	: No

ProductNr	Nominal cross sectional area of conductor (mm ²)	Number of cores	Outer diameter approx. (mm)
0100605	1.5	4	10.4
0100703	2.5	4	11.3
0100704	4	4	12.4
0100714	6	3	13.9
0100804	6	4	14
0100814	10	3	15
0100904	10	4	17.2
0100914	16	3	17.2
0100924	25	3	21.4
0100934	35	3	24.1
0100944	50	3	28
0100604	70	3	28
0100942	95	3	36.1
0100941	120	3	34.6
0100939	150	3	45.2
0100943	185	3	50.4
0100940	240	3	56.6