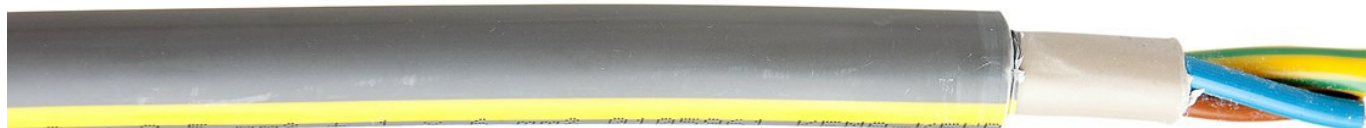




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## Power cable $\geq 1$ kV, for fixed installations Instalcare Solid B2ca



<b>Application</b>	<b>: Special installation cable with flexible earth conductor for use in hospital rooms class 1, 2 and 3. According to NEN 1010:2015. Tested by TNO.</b>
<b>TECHNICAL DATA</b>	<b>: 0105965</b>
Standards	: HD 604, IEC 60502-1, KEMA approved, CPR
<b>Remarks</b>	<b>: The Solid version has 2 power supply cores in 2.5 mm<sup>2</sup> solid bare copper. For Instalcare Stekerbaar there is a flexible version including connectors available.</b>
Dimension	: 2 x 2.5
Conductor material	: Copper, bare
Conductor category	: Class 1 = solid
Shape of conductor	: Round
Core insulation material	: Crosslinked polyethylene (XLPE)
Core identification	: Colour
Protective conductor	: Yes
Inner sheath	: No
Screen	: No
Drain wire	: No
Number of pilot/reduced cores	: 1
Nominal cross sectional area of pilot/reduced core	: 6mm <sup>2</sup>
Lead sheath	: No
Concentric conductor	: None
Armouring	: No
Material outer sheath	: Polyolefin
Colour outer sheath	: Other
Halogen free (acc. EN 60754-1/2)	: Yes
Flame retardant	: In accordance with EN 60332-3-22
Low smoke (acc. BS EN 61034-2)	: Yes
Insulation integrity	: No
Circuit integrity	: No
Outer diameter approx.	: 12.15mm
Permitted cable outer temperature during assembling/handling	: -10°C to 90°C
Permitted cable outer temperature after assembling without vibration	: -10°C to 90°C
Nominal voltage U <sub>0</sub>	: 0.6kV
Nominal voltage U	: 1kV



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Reaction-to-fire class according to EN 13501-6	: B2ca
Smoke development class according to EN 13501-6	: s1
Euro class flaming droplets/particles according to EN 13501-6	: d1
Euro class acidity according to EN 13501-6	: a1
Conductor surface	: Bare
	: 7.41Ohm/km
	: Yes
Laminated sheath	: No
Fibre optic elements	: No
Inner semi-conducting layer	: No
Outer semi-conducting layer	: No
	: Round
Conductive coating	: No
Longitudinal water blocking conductors	: No
Longitudinal water blocking screen	: No
Halogen free (acc. IEC 60754-2)	: Yes
Low smoke (acc. IEC 61034-2)	: Yes
Insulation integrity in accordance with IEC 60331	: No
Oil resistant (acc. IEC 60811-404)	: No
Min. permitted bending radius, stationary application/permanent installation	: 121mm
	: Yes
	: No
	: No
	: No
	: No