

SIWO-KUL® B10 3.3 / 4.2 kV

Contact

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SIWO-KUL® B10 3.3/4.2 kV MV high temperature flexible cables designed with a PET braid, PUR varnished

DESCRIPTION

Application

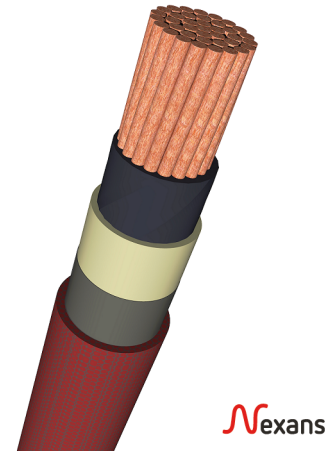
- Connection of rotating machines windings, like motors, alternators, generators.
- Cabling of static devices, like power converters, motor drives, power cabinets, transformers
- Adapted for wind turbines, marine and offshore, rollingstock, photovoltaic, energy storage systems

Construction

- Flexible tin-plated copper conductor class 5 as per IEC 60228, other class in option
- High grade silicon rubber insulation
- Mechanical protection by PUR varnished synthetic fibre braid for enhanced friction resistance

Properties

- Operating temperature in continuous mode -55°C to +180°C
- Resistance to thermal shocks, UV and oils
- Enhanced friction resistance with the PUR varnished range
- Compatibility to VPI impregnation resins
- Type approval certificate : Lloyds Register LR21139304TA
- Type approval certificate : BV Marine & Offshore 09555/D0 BV, file : ACE 01/723/01
- Certificate of compliance : UL758 AWM Style 3641, file : AVL2.E45073
- Certificate of compliance : CSA Standard C22.2 N°210-15, file : LL 36040 AWM



STANDARDS

International EN 45545 - HL3;
IEC 60092; IEC 60228;
IEC 60331; IEC 60332-1;
IEC 60332-3-22;
IEC 60332-3-24; IEC 60754-1;
IEC 60754-2; IEC 61034

National CSA C22.2 N° 210-05;
UL 758



Ope. volt.
3.3 kV



Operating temp.
-55 ... 180 °C



Chemical
resistance
Good



Oil resistance
Yes



Flame retardant
IEC 60332-1



Fire retardant
IEC 60332-3



Fire resistant
IEC 60331



Gases corrosivity
IEC 60754-1; IEC
60754-2

CHARACTERISTICS

Electrical characteristics

Operating voltage	3.3 kV
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Usage characteristics

Operating temperature, range	-55 ... 180 °C
Chemical resistance	Good
Oil resistance	Yes
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3
Fire resistant	IEC 60331
Gases corrosivity	IEC 60754-1; IEC 60754-2
Smoke density	IEC 61034
Ozone resistance	Yes
U.V resistance	Yes

PRODUCT LIST

Nexans Ref.	Country Ref.	Name	Conductor cross-section [mm²]	Nominal outer diameter [mm]
 10148762	-	SIWO-KUL B10 1x50 3,3/4,2kV RD	50	15.4
 10148756	-	SIWO-KUL B10 1x6.0 3,3/4,2kV RD	6	7.25
 10148760	-	SIWO-KUL B10 1x70 3,3/4,2kV RD	70	17.3
 10148763	-	SIWO-KUL B10 1x95 3,3/4,2kV RD	95	19.2
 10148752	-	SIWO-KUL B10 1x35 3,3/4,2kV RD	35	13.2
 10148755	-	SIWO-KUL B10 1x240 3,3/4,2kV RD	240	27.5
 10148759	-	SIWO-KUL B10 1x25 3,3/4,2kV RD	25	12.0
 10148766	-	SIWO-KUL B10 1x185 3,3/4,2kV RD	185	25.1
 10148757	-	SIWO-KUL B10 1x10 3,3/4,2kV RD	10	8.2
 10148753	-	SIWO-KUL B10 1x120 3,3/4,2kV RD	120	21.2
 10148754	-	SIWO-KUL B10 1x150 3,3/4,2kV RD	150	23.1
 10148758	-	SIWO-KUL B10 1x16 3,3/4,2kV RD	16	10.4
 10148775	-	SIWO-KUL B10 1x2.5 3,3/4,2kV RD	2.5	6.3
 10148776	-	SIWO-KUL B10 1x4.0 3,3/4,2kV RD	4	6.8
 10191259	-	SIWO-KUL B10 1x300 3,3/4,2kV RD	300	31.2
 10550572	-	SIWO-KUL B10 1x400 3,3/4,2kV RD	400	34.9

 = Make to order,  = In stock,