

WG-Datasheet

Insulated electric power line

Special core cable with sheath

SAd YY (B1) X, XX xx Cu 1000V

Usage:	Insulating electric power line with no-load voltage under 1000 V to the connection to lighting equipment.
Electric quality:	nominal voltage: U_0/U 1000 / 1500 V test voltage: 2500 V
Construction:	Synthetic-insulated special core cable, difficult inflammable (B1) 1,0 mm ² , copper conductor (Cu), round, single wire or fine wire (rf), tinned (vz), Core color: nature (nf) with additional sheath sheath color: red or black or white or green-yellow Additional to the requirement of DIN EN50143 (DIN VDE 0283 part 1 2004-02).
Conductor:	copper, round fine wire tinned, class 5 according to DIN EN 60228 or copper, round single wire, class 1 according to DIN EN 60228.
Insulating cover:	Synthetic-mixture extruded in a layer on the conductor.
Sheath:	Synthetic-mixture The Synthetic-mixture used by BKW is heavy metal- and DOP –free (compliance with the RL RoHS) and assures a significant higher flexibility in low temperature. The mixture is difficult inflammable. The additional sheath is firmly connected to the insulating cover. The cables with sheath are UV-stabilized (thus suitable for direct outdoor use).
Test:	Tests of the general requirements according to DIN VDE 0250 part 1 by measuring and inspection.
Non-flammability:	according to VDE 0482-332-1-2
Identification:	core color: nature on YY-cables sheath color: red / black / white / green-yellow (another color of enquiry) Print: BKW 1000 V (but not for black sheath)
Usage:	Special usage in and to LED-lighting equipment with no-load voltage under 1000 V. Producer: Brandenburger Kabelwerk GmbH

Brandenburger Kabelwerk

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construction abbreviation	article-Nr. BKW	conductor cross section (mm ²)	kind	outer diameter [mm]	metal number [kg/km]	weight [kg/km]	sheath color
SAd YY (B1)	1111X	0,5	rf vz	2,0 + 0,2	4,8	11,0	RD, BK, WH, GN- YE
Sad YY (B1)	111XX	0,5	re	2,3 + 0,2	4,8	11,0	RD, BK, WH, GN- YE
SAd YY (B1)	1110X	1,0	rf vz	2,9 + 0,2	9,6	17,8	RD, BK, WH, GN- YE
SAd YY (B1)	1112X	1,0	re	2,9 + 0,2	9,6	17,8	RD, BK, WH, BU, BN
SAd (B1)	1113X	1,0	re	2,2 + 0,2	9,6	17,8	RD, BK, GN-YE, BU, BN
SAd (B1)	1115X	1,0	rf vz	2,2 + 0,2	9,6	17,8	RD, BK, GN-YE, BU, BN
SAd-Fix (B1)	11201	3x1,0	rf vz	8,8 + 0,2	28,8	120,0	BK (RD, BK, GN- YE)
SAd-Fix (B1)	11202	2x1,0	rf vz	7,7 + 0,2	19,2	90,0	GR (RD, BK)



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