

BO-POWER FIRE A1000

Type: Flex-TCu/MGT/XLPE/LSZH/SWB/LSZH 600/1000V



Image for illustration only

Conductor:	Flexible tinned copper conductor according to IEC60228 cl.5
Fire barrier:	Mica glass fibre tape
Insulation:	Cross-linked XLPE extruded compound, thickness 0,6mm
Core identification:	See below *
Laying up:	cores stranded together
Inner sheath:	LSZH compound type flame retardant, type M1, thickness 1mm
Armour:	SWB, Galvanized steel wires braid (thickness 0,3mm), total thickness min. 0,5mm
Outher sheath:	LSZH compound type flame retardant, type M1, grey, thickness 1,6mm
Marking(ink-jet):	0,026 mm Aluminium / PETP tape over tinned copper drain wire
Cable Printing:	Botec Kabel GmbH BO-POWER A1000 x mm² 600/1000V P/N LSZH UV- Oil- & Hydrocarbon Resistant IEC 60331-21 -CE- M/Y M/M
Technical Data & Standard References	Technical data: - Working temperature -20°C + 90°C - nominal voltage : U0/U 600V/1000V - test voltage : 2500V - Insulation resistance >= 1000 MOhm x km - Minimum bending radius : 12 x od
	Standards: - Flame retardant according to IEC60332.3-22 and IEC60332.1-2 - Low smoke and halogen free as per IEC60754-2, CEI20-37/2 - Fire resistant according to IEC 60331-21
	Features: - UV resistant - Rodent resistant - Hydrocarbon resistant

Application: Tinned copper conductor control cable fit for petrochemical environments also in harsh applications. Suitable also for outdoor installation, directly buried. Strong mechanical protection thanks to armouring. In fire event cable will maintain circuit integrity for a certain period of time.

Conductors	Color code table
3 cores:	green-yellow/brown/blue
4 cores:	green-yellow/brown/black/grey
5 cores:	green-yellow/blue/brown/black/grey

BLACK OUTER SHEATH

Botec P/N	Cores x size mm ²	Nominal diam. Under armour (+/- 10%) mm	Nominal overall diam. (+/- 10%) mm	Cable weight kg/km	Conductor resistance Ohm/km
50053903250	3G2,5	12	16	440	8,21
50053904250	4G1,5	13	17	480	8,21
50053905250	5G2,5	14	18	550	8,21
50053904040	4G4	13,4	17,4	600	5,09
50053904040	4G6	14,1	19,1	700	3,4
50053904100	4G10	18,4	23,2	1000	1,95
50053904160	4G16	20,8	25,6	1330	1,24
5005390412500	4G25	24,7	29,7	1860	0,795
500539041500	4G50				

ORANG OUTER SHEATH

Botec P/N	Cores x size mm ²	Nominal diam. Under armour (+/- 10%) mm	Nominal overall diam. (+/- 10%) mm	Cable weight kg/km	Conductor resistance Ohm/km
553903250	3G2,5	12	16	440	8,21
553903250	4G1,5	13	17	480	8,21
553905250	5G2,5	14	18	550	8,21
50053904040	4G4	13,4	17,4	600	5,09
50053904040	4G6	14,1	19,1	700	3,4
50053904100	4G10	18,4	23,2	1000	1,95
50053904160	4G16	20,8	25,6	1330	1,24
5005390412500	4G25	24,7	29,7	1860	0,795
500539041500	4G50				