

BO-CONTROL FIRE A500

BO-ARMoured FIRE RESISTANT CONTROL CABLE ACC. TO EN 50288-7

Flex-TCu/MGT/XLPE/LSZH/SWB/LSZH 500V



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 Colors:	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
Outer sheath:	LSZH compound type flame retardant, type M1, grey, thickness 1,6mm
Marking(ink-jet):	Botec Kabel GmbH BO-CONTROL FIRE A500 x mm ² 300/500V P/N LSZH UV- Oil- & Hydrocarbon Resistant IEC 60331-21 -CE- M/Y M/M
Reference Standards:	ACC. TO EN 50288-7
Technical Data & Standard References	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
Electrical & Mechanical Data	- Working temperature -20°C + 90°C - nominal voltage : U0/U 300V/500V - test voltage : 2000V - Conductor resistance 19,8ohm/Km - Test voltage core to core 2 Kv - Minimum bending radius : 12 x od

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
12 cores:	Black with white numbers + green-yellow

Botec P/N	Cores x size mm ²	Nominal diam. under armour (+/- 10%) mm	Nominal overall diam. (+/- 10%) mm	Cable weight kg/km
50003903100	3G1	9,00	13	300
50003903150	3G1,5	10,20	14,2	310
50003903250	3G2,5	12,50	16,4	360
50003903400	3G4	13,80	17,8	500
50003912150	12G1,5			