

BO-CONTROL FIRE-OS 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
Laying up & colour:	Twisted pairs (black-white for pairs); or triads (blue-black-brown) for triads); 6X1mm ² (-blue 1 -black 1 -brown 1 & -blue 2 -black 2 -brown 2) G-Type= Black-White-Green/Yellow
Overall shield:	Applied over the total assembly will be wrapped and shielded with Aluminium/mylar tape 100% coverage and 25% overlap with metal side in contact with a tinned drain wire 7x0,30mm (size 0,5mm ²)
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, Blue, Black Thickness from 1,4mm to 2mm
Marking(ink-jet):	Botec Kabel GmbH BO-CONTROL FIRE-OS A500 x mm ² 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 500V - test voltage : 2000V - Inductance : ≤ 90 mH/Km - Capacitance : ≤ 0,200microF/Km - L/R Ratio : ≤ 40 microH/Ohm - 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.

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
10063150	3G1,5	10,2	14,2	310	
10060203075	2x3x0,75	13,6	18,5	520	26,7
100066100	6x1	12,6	17	470	20,1
1006102100	1x2x1	9,30	13,20	260	18,1
10060202100	2x2x1	10,80	14,80	340	19
10060103100	1x3x1	10,00	14,00	300	18,1
10060203100	2x3x1	16,00	20,00	550	18,1
10060402150	4x2x1,5	19,00	23,00	750	13,96
10060802150	8x2x1,5	24,50	28,50	1160	13,96
10061202150	12x2x1,5	29,00	33,00	1560	13,96
10060103150	1x3x1,5	10,20	14,20	330	13,3
10060203150	2x3x1,5	19,40	23,40	680	13,96

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