

BO-COMNET FIRE-OS A300

BO- ARMoured FIRE RESISTANT INSTRUMENTATION OS SCREENED CABLE ACC. TO EN 50288-7 in Grey or Blue

Type: Flex-TCu/MGT/XLPE/OS/LSZH/SWB/LSZH 300V

- Conductor:** Flexible tinned copper conductor acc. to IEC 60228 cl.5
- Fire barrier:** Mica glass fibre tape
- Insulation:** Cross-linked XLPE extruded compound, thickness 0,6mm
- Laying up:** twisted pairs (white-black for pairs); or triads (blue-red-black for triads)
- 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 0,5mm²)
- 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 or Blue
Thickness from 1,4mm to 2mm
- Marking(ink-jet):** Botec Kabel +Art., year, description of cable, UV, oil and hydrocarbon resistant
IEC 60331-21, metric,
- Technical data:**
- Working temperature -20°C + 90°C
 - nominal voltage : U0/U 300V/300V
 - test voltage : 1500V
 - Inductance : $\leq 0,90$ mH/Km
 - Capacitance : $\leq 0,200$ microF/Km
 - L/R Ratio : ≤ 40 microH/Ohm
 - 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 instrumentation 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.

Grey outer sheath colour

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
50100203075	2x3x0,75	13,6	18,5	520	26,7
50100102100	1x2x1	9,30	13,20	260	18,1
50100202100	2x2x1	10,80	14,80	340	19
50100103100	1x3x1	10,00	14,00	300	18,1
50100203100	2x3x1	16,00	20,00	550	18,1
50100402150	4x2x1,5	19,00	23,00	750	13,96
50100802150	8x2x1,5	24,50	28,50	1160	13,96
50101202150	12x2x1,5	29,00	33,00	1560	13,96
50100103150	1x3x1,5	10,20	14,20	330	13,3
50100203150	2x3x1,5	19,40	23,40	680	13,96

Blue outer sheath colour

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
50150203075	2x3x0,75	13,6	18,5	520	26,7
50150102100	1x2x1	9,30	13,20	260	18,1
50150202100	2x2x1	10,80	14,80	340	19
50150103100	1x3x1	10,00	14,00	300	18,1
50150203100	2x3x1	16,00	20,00	550	18,1
50150402150	4x2x1,5	19,00	23,00	750	13,96
50150802150	8x2x1,5	24,50	28,50	1160	13,96
50151202150	12x2x1,5	29,00	33,00	1560	13,96
50150103150	1x3x1,5	10,20	14,20	330	13,3
50150203150	2x3x1,5	19,40	23,40	680	13,96