

# CONTROL OR POWER CABLE

PRODUCT: ACS-CB-C3□0□

TECHNICAL SHEET 1/3

☎ Costumer Service 55 11 3019-1616

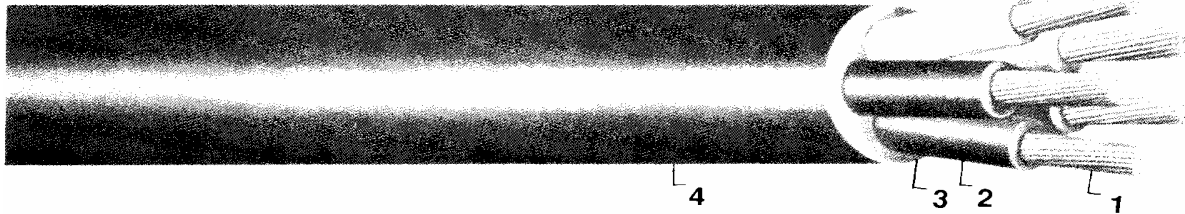
## • APPLICATION

Used as a power cable or control in general. Resistant to flame propagation.

The cable ACS-CB-C3305 model is used to transmit flame signal presence of SEL-SV-T0; SEL-SV-V0 sensors or still ACS-TX-□-K5 conveyor, even flame detector relay in the CHM line or start programmer, flame supervision and safe stop of PRG line. It has tinned copper twisted cordage and four more conductors, which colors are: Crystal, blue, black and red.

## • TECHNICAL DATA

⇒ Construction:



⇒ (1) Flexible conductors formed for bare copper wire, tempera mold, class 4 stringing.

⇒ (2) Seal compound: Polivinil chloride thermoplastic (PVC).

⇒ (3) Separator ribbon of non-hygroscopic material applied helically.

⇒ (4) External cover of black thermoplastic compound (PVC) - 75 °C

⇒ Maximum operation tension (V r.m.s.): => 750V, except ACS-CB-C3305 model => 300V

⇒ Characteristics: doesn't propagate the flame (NBR 6244). Conductors' identification through printed numbers on the isolation cover.

⇒ Applicable standard: NBR 7289

⇒ Formation: 18 x 0,254mm

⇒ Section of conductor: 1,00m<sup>2</sup>

⇒ Isolation thickness: 0,60mm<sup>2</sup>

⇒ Resistant to flame propagation according to NBR 6244 standard.

Ø<sub>ci</sub> = Diameter of conductor with cover (mm)

BT = Internal conductor gage (AWG)

A = Area (mm<sup>2</sup>)

Ø<sub>E</sub> = Cable's external diameter (mm)

C = Nominal mutual capacitance (pF/n)



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$\varnothing_{ci}$	BT (AWG)	A (mm)	$\varnothing_E$	Vm	C
1,95	20	0,56	7,5	300	77

• **Orientation Table External Nominal Diameter x Nominal Net Weight**

Number of conductors	Cover thickness mm	External Nominal Diameter mm	
2	1,0	7,5	
3	1,0	8,0	
4	1,95	7,5	

• **Order Code: ACS-CB-C3□0□**

ACS-CB	C - Application	C - Cable section	C - Work temperature	C - Number of conductors
	d1 = 3  => power / control	□ (d2)  d2 = 0 => 0,14 mm <sup>2</sup> (26 AWG) or d2 = 1 => 0,20 mm <sup>2</sup> (24AWG) or d2 = 2 => 0,30 mm <sup>2</sup> (22 AWG) or d2 = 3 => 0,50 mm <sup>2</sup> (20 AWG) or d2 = 4 => 0,75 mm <sup>2</sup> (18AWG) or d1 = 5 => 1 mm <sup>2</sup> (16 AWG) or d2 = 6 => 1,5 mm <sup>2</sup> (14 AWG) or d2 = 7 => 2,5 mm <sup>2</sup> (12AWG) or d2 = 8 => 4 mm <sup>2</sup> (10 AWG)	d3 = 0  => 75 °C	□ (d4)  d4 = 1 => 1 conductor or d4 = 2 => 2 conductors or d4 = 3 => 3 conductors or d4 = 4 => 4 conductors or d4 = 5 => 4 conductors 0,50 mm <sup>2</sup> + twisted cooper mesh



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- **BE AWARE:**

⇒ Use the programmers and/or detector relays exclusively with flame sensors of Selcon manufacturing.

- **OTHER PRODUCTS AND ACCESSORIES:**

- ⇒ Flame Relays – CHM-E, CHM-P, CHM-M e CHM-F
- ⇒ Tightness Test Relay of blocking valves – CHM -T
- ⇒ Ignition Programmers and flame monitoring – PRG-E, PRG-Ie, PRG-Ie -IIIME (with base), PRG-I, PRG-M e PRG-M-IIIME (with base)
- ⇒ Optical Flame Sensors– SEL- SV
- ⇒ Flame sensors by ionization and ignitor electrodes – SEL-HT e SEL-HT-E (sensors and electrodes assembled under draft or sample from the special-client).
- ⇒ Flame signal transmitter– ACS –TX (until 500 meters between the sensor and relay or programmer)
- ⇒ Flame Signal Converter for 4 -20 mA – ACS - CV
- ⇒ Ignition transformers – ACS -TE (for feeding in VAC or VCC)
- ⇒ Portable ignitor – ACS-IP (works with common alkaline battery AA type)
- ⇒ Several Cables– ACS - CB (ignition / sensing / communication / control)
- ⇒ Connector and protector to touch for ignition cable – ACS - CP
- ⇒ Temporized ignition panel ACS – IT
- ⇒ Ignition and flame panel – ACS - PI
- ⇒ Articulated socket joint – ACS - CN
- ⇒ Ignition and monitoring panel – ACS-PN (under consultation)
- ⇒ Reform services of pilot burners (under consultation)
- ⇒ **PRODUCTION DATA SUPERVISION LINE**



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