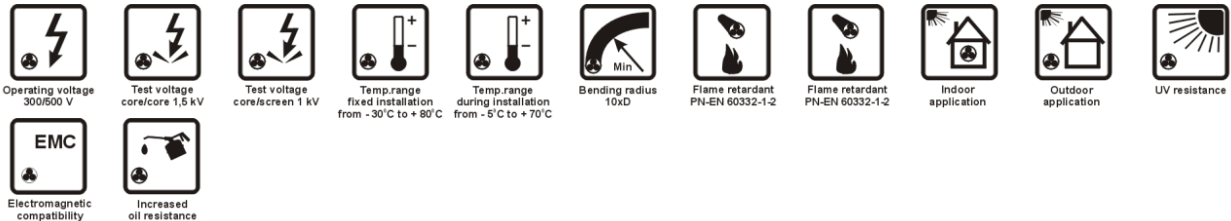


ICA-Y(St)Y 300/500 V**INSTRUMENTATION CABLES****APPLICATIONS**

ICA-Y(St)Y 300/500 V are multipair instrumentation cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications, allowing particularly for conditions met in chemical, petrochemical and paper industries.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for fixed indoor and outdoor installations.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

CONSTRUCTION

- bare annealed copper single wire conductors, meeting requirements of class 1 per PN-EN 60228,
- PVC insulation (PVC type T1 acc. to PN-EN 50363-3) - identification colour code: white and red insulation and pair number printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- oil, petrol and UV radiation resistant and special self-extinguishing PVC cable sheath (PVC type TM1 acc. to PN-EN 60363-4-1), black (RAL 9005) other colours also available.

ICA-Y(St)Y 300/500 V

CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	73.6	50.1	37.0	24.7	15.15
Mutual capacitance at 1 kHz, maximum	nF/km	140	150	160	160	180

Operating voltage U _o /U	300/500 V	Operating temperature range	
Voltage test		during operation	from - 30 to + 80°C
conductor/conductor	1500 V rms	during installation	from - 5 to + 70°C
conductor/screen	1000 V rms	Minimum bending radius	10 x cable diameter
Inductance, approximate	0.7 mH/km	Cable combustibility	flame retardant
Insulation resistance, minimum	20 MΩ·km	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)
		Oil resistance	PN-EN 60811-404
		Reference standards	BS 5308 Part 2 Type 1

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of pairs (x 2) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1346 001	1 x 2 x 0,5	5.8	14.4	51.0
1346 002	2 x 2 x 0,5	6.6	24.1	79.0

Product No.	Number of pairs (x 2) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
1346 003	8 x 2 x 0,5	13.6	82.0	230.0
1346 004	24 x 2 x 0,5	22.3	236.0	580.0

Other cross-sections and pair counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.