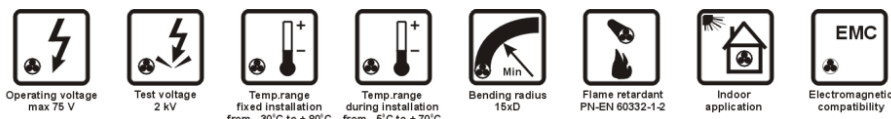


Li2Y(St)(St)Y-P $n \times (2+1) \times 0,5 \text{ mm}^2$
(equivalent: JAMAK)

INSTRUMENTATION CABLES



APPLICATIONS

Li2Y(St)(St)Y-P $n \times (2+1) \times 0,5 \text{ mm}^2$ are multipair, pair and overall shielded 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.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

High digital data transmission performance is achieved by polyethylene insulation and small capacitance of cable circuits.

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

The cables are suitable for indoor installations connecting fixed and movable equipment.

The cable is also suitable for Maxi-Termi-Point jointing technique.

CONSTRUCTION

- flexible, multiwire conductors, stranded of tin-plated copper wires (7x0.3 mm), meeting requirements of class 2 per PN-EN 60228,
- polyethylene (PE) insulation - identification colour code:
 - "a" wire – blue,
 - "b" wire – red,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire, cross-section 0.5 mm^2 (7x0.3 mm),
- shielded pairs bounded up with a polypropylene binder marked with pair number,
- shielded pairs laid-up in layers,
- overall shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire, cross-section 0.5 mm^2 (7x0.3 mm),
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

Li2Y(St)(St)Y-P (1) $n \times (2+1) \times 0,5 \text{ mm}^2$ (equivalent: JAMAK-C) - cables with overall electrostatic shield, incorporating two plastic laminated metal foils and stranded annealed tinned copper drain wire.

Li2Y(St)(St)H-P $n \times (2+1) \times 0,5 \text{ mm}^2$ (equivalent: JAMAK-HF) - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

Li2Y(St)(St)Yu-P $n \times (2+1) \times 0,5 \text{ mm}^2$ - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

Li2Y(St)(St)Y-P nx(2+1)x0,5c mm²
(equivalent: JAMAK)**CHARACTERISTICS**

Characteristic impedance at 10 MHz	70 ± 10 Ω	Attenuation loss, [dB/100m] max - at frequency [kHz]:		
Mutual capacitance at 800 Hz	85 ± 3 nF/km		9.6	0.3
DC loop resistance at 20°C, maximum	81 Ω/km		19.2	0.5
Insulation resistance, minimum	2 GΩ·km		64	0.7
Operating voltage	75 V		100	0.9
Voltage test	2.0 kV rms		200	1.6
			1000	4.5
		Operating temperature range		
		for fixed installation		from - 30 to + 80°C
		for movable installation		from - 5 to + 70°C
		Minimum bending radius		15 x cable diameter
		Cable combustibility		flame retardant
		Combustibility tests		PN-EN 60332-1-2, IEC 60332-1-2

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
0039 011	2 x (2+1) x 0,5	8.0	33.6	78
0039 009	4 x (2+1) x 0,5	9.4	62.4	125
0039 007	8 x (2+1) x 0,5	13.0	120.0	228
0039 012	12 x (2+1) x 0,5	15.1	177.6	315
0039 013	24 x (2+1) x 0,5	21.1	350.4	606
0039 014	48 x (2+1) x 0,5	29.1	696.0	1157

Other pair counts available on request.

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