

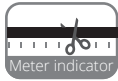
## PAC131 BALANCED SIGNAL AND POWER CABLE



The PAC131 cable combines one balanced signal pair (2 x 0.35 mm<sup>2</sup>) shielded by an Aluminum foil, with a 2G2 (2 mm<sup>2</sup>) power section. The twisting of the signal conductors in combination with the Aluminum foil shielding ensure a high immunity against interference and noise caused by external devices, while the flexible PVC outer jacket with an outer diameter of 7.4 mm ensures a user-friendly experience for mobile and fixed installations.

Some specific applications for this kind of cable are transferring both serial data and power from control units such as system or wall panel controllers to automation systems, LED display systems, etc.

This cable is optimized for low voltage applications (24V, 48V...) and not designed for 230V use.



### CROSS SECTION

### HIGHLIGHTS

- Flexible PVC jacket
- 2G2 (14 AWG) Power section
- 22 AWG balanced signal section
- Al-foil shielding

### INNER CONDUCTOR

### SHIELDING

- INSTALL
- MOBILE
- STAGE

Type of cable	Power & signal cable
Filling	Cotton yarn
Separator	Cotton paper
Outer jacket	Flexible PVC
Outer jacket color	Black
Outer dimensions	Ø 7.4 mm

Power section	
Inner conductor	BC 7 x 36 x 0.10 mm (oxygen free copper)
Inner conductor section	2.0 mm <sup>2</sup> (14 AWG)
Insulation	PE Ø 2.4 mm
Number of conductors	2

Signal section	
Type of cable	Balanced signal cable
Inner conductor	TC 29/0.12 (oxygen free copper)
Inner conductor section	0.35 mm <sup>2</sup> (22 AWG)
Insulation	HDPE Ø 1.2 mm
Number of conductors	2
Conductor twisting	Yes
Drain	TC 11/0.2 (oxygen free copper)
Shielding	Aluminium foil

### MECHANICAL SPECIFICATIONS

Temperature range	fixed installation	- 40°C till + 80°C
	flexible installation	- 25°C till + 60°C
Bending radius	fixed installation	8 x outer diameter
	flexible installation	10 x outer diameter

### AVAILABLE LENGTHS

100 m plastic reel : PAC131/1  
 500 m wooden reel : PAC131/5