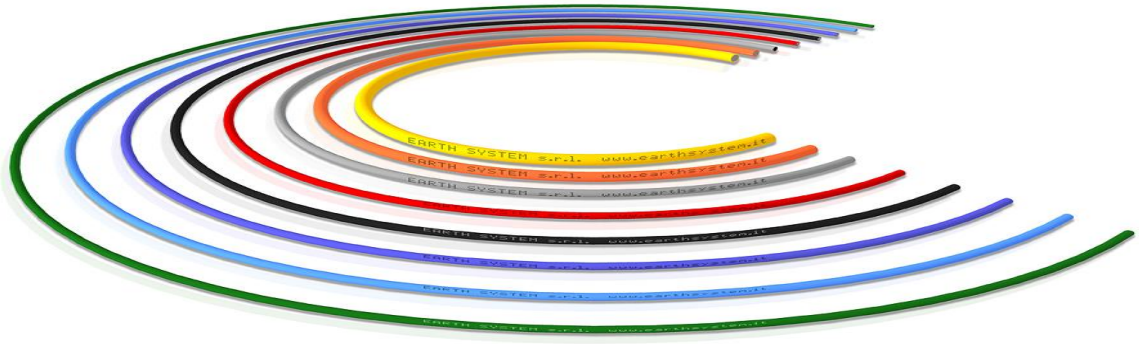

The electrical cables used are made up of one or more copper conductors wrapped inside an insulating jacket.
The external jacket is made of water proof material resistant to abrasion.
The cable is completely shielded from external electrical interference and can be reinforced with polyethylene to boost tensile strength.

The electrical cable for automated piezometers and for relative pressure transducers features also a Nylon tubing for barometric compensation.
The factors listed below shall determine the selection of the best suited cable:
- number and type of sensors to connect;
- environment condition;

model	CAV-02-2P-CP	CAV-02-4P-PZT	CAV-02-4P-PZ	CAV-01-4P-SG	CAV-01-4P-485	CAV-01-4P-485P	CAV-03-6P-CC	CAV-06-10P-00	CAV-04-16P-00	CAV-05-32P-00
type	1 twisted pair 22 AWG [1]	4 conductor 22 AWG	4 conductor 22 AWG	4 conductor 24 AWG	2 twisted pair 22 AWG	2 conductor 22 AWG+ 2 conductor 14 AWG	6 conductor 22 AWG	10 conductor 22 AWG	8 twisted pair 22 AWG	16 twisted pair 22 AWG
single conductor insulation	polyethylene									
external insulation	PUR								PVC	
single conductor color	red-black	red-black-white-green	red-black-white-green	red-black, white-green	red-black, white-green	red-black, white-green	red-black-white-green-cyan-yellow	red-black-white-green--yellow-brown-grey-pink-purple-cyan	DIN code 47100	DIN code 47100
external jacket color	green	blue	blue	black	lilac	blue	red	grey	orange	yellow
diameter of external jacket in mm	5.1 +/- 0.2	8.2+/-0.2	8.2+/-0.2	5.5 +/- 0.2	8.0 +/- 0.2	10.8 +/- 0.2	6.4 +/- 0.2	7.5 +/- 0.2	10.1 +/- 0.2	12.3 +/- 0.2
atmospheric pressure compensation tube	-	nylon	-	-	-	-	-	-	-	-
overall shield	-	aluminium/polyester film	aluminium/polyester film	aluminium/polyester film	-	-	-	aluminium/polyester film	aluminium/polyester film	aluminium/polyester film
drain wire	tinned copper	tinned	tinned	tinned copper	tape	-	tape	tinned copper	tinned copper	tinned copper
anti-tear reinforcement	polyethylene			-	polyethylene			-	-	-
electrical conductivity resistance Ω/km at 20°C	53	53	53	53	53	53	53	53	53	53
operating temperature	-40 / 100° C								-30 / 70° C	

[1] AWG (American Wire Gauge) is a measuring system for standardized cables used mainly in the United States and Canada since 1857. The greater is the calibrated number, the less is the cable diameter. Therefore, 22 AWG corresponds to a cable diameter of 0.644 mm and to an area of 0.326 sqm, while 24 AWG corresponds to a cable diameter of 0.511 mm and to an area of 0.205 sqm

CE product compliant with European directives