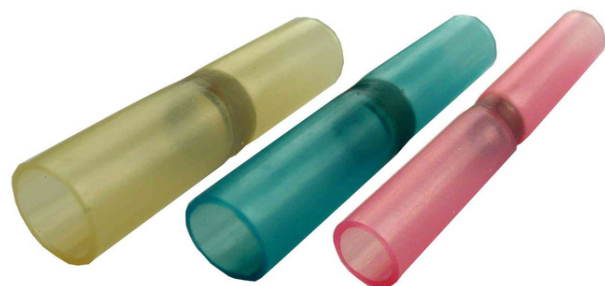




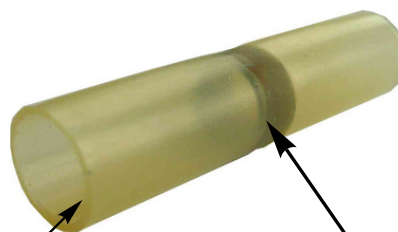
## Waterproof self-welding connector CAS-A

CAS-A is an electrical connector consisting of a tin ring in a tube of heat-shrink tubing fully coated with adhesive. This series connection makes it very easy to make a sealed connection between 2 conductors. It can also be used as an extension. The implementation of these sleeves is simple and ensures perfect connection and sealing



- 4:1 tapered sheath
- Operating temperature: 55 to 125°C
- Dielectric strength: 2.5 KV
- Waterproof
- Shrinking temperature: 150 to 200°C.
- Available in packaging of 20 and 100 pieces

Conductor section	Color	Length (mm)
0.3 - 0.8 mm <sup>2</sup>	White	25
0.8 - 2 mm <sup>2</sup>	red	37
2 - 4 mm <sup>2</sup>	blue	37
4 - 6 mm <sup>2</sup>	yellow	40



Heat-shrinkable sleeve, with full-surface adhesive

Pewter ring ensuring the welding

Physical properties	Test method	Results	Thermal properties	Test method	Results
Tensile strength	ASTM D 638	14 N/mm <sup>2</sup>	Thermal shock 4 hours at 200°C	ASTM D 2671	No drips No tearing
Elongation at break	ASTM D 638	400 %	Low temperature flexibility to -40°C	ASTM D 2671 c	Does not tear
Longitudinal shrinkage	ASTM D 2671	- 10% max	Elongation after aging Thermal (168 hours at 150°C)	ASTM D 638	300%
Moisture regain	ASTM D 570	0,12% max			
Specific gravity	ASTM 972	1,08 gr/cm <sup>3</sup>			
Electrical properties	Test method	Results	Chemical properties	Test method	Results
Dielectric strength	ASTM D 2671	> 17 kV/mm	Fluid resistance		Good
Specific volume resistance	ASTM D 257	1014 ohm cm	Copper corrosion	ASTM D 2671 B	

### Implementation :

- Choose the Ø of the sleeve suitable for the conductors to be connected.
- Strip the wires about 5-6 mm.
- Insert the 2 wires (only one per side) in the sleeve, overlapping the stripped parts.
- Arrange the sleeve so that the central pewter ring is in the middle of the connection.
- First heat the sleeve in the center at the level of the tin until it melts.
- Leave to cool slowly.

