





Crimp connectors for electrical connection of plastic insulated copper and aluminum conductors.

**Characteristics of the AVH**

- No stripping of the conductor insulation required
- No twisting of conductors, no tip soldering
- Simple handling
- High insulation resistance, low contact resistance
- High reliability and durability

# Short description, Ordering information, Table of application

Components	Short description
	The technique of wire jointing with AVH marks considerable advantages. The crimp connectors are precision made and guarantee a connection which meets high requirements: a low and almost constant resistance even with temperature cycling, a high insulation resistance of the insulating plastic sleeve and a high dielectric strength. The illustration shows the crimp connector consisting of three elements: contact part, pressure part, insulation part.
	The <b>contact part</b> with its serrations at the inner side is designed to pierce the conductor insulation until having reached the conductors and thus making contact.
	The <b>pressure part</b> has a saw-toothed shaped slit along its length to facilitate its deformation. Its function is to maintain pressure on the contact. The rigid material of the pressure element absorbs the latent deforming forces (vibrations, temperature cycling) to which the joint is exposed to.
	The <b>insulation part</b> is open at one end to protect the crimped joints and insulates them from each other.

## Ordering information:

AVH Type	Color code	Contents	Article No.
1	White	500	5320050
1A*	Blue	500	5320051
2	Yellow	500	5320052
2A*	Orange	500	5320053
3	Green	250	5320054
3A*	Red	250	5320055

\*A – grease filled (to prevent corrosion)

## Crimp tool

Crimp plier AVZ 1  
Crimp plier AVZ 2  
Crimp plier AVZ 3

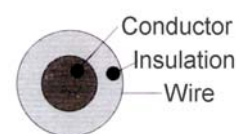
## to use with

for AVH 1 (white) and AVH 1A (blue)  
for AVH 2 (yellow) and AVH 2A (orange)  
for AVH 3 (green) and AVH 3A (red)

## Article No.

5320056  
5320057  
5320058

Kind of insulation			2Y	2YF	Y	02Y	2YF	02YSF	02Y	02YSF	02Y
conductor-Ø			0,4	0,4	0,6	0,6	0,6	0,6	0,8	0,8	0,9
Wire-Ø			0,80	0,92	1,10	1,10	1,32	1,30	1,44	1,70	1,70
2Y	0,4	0,80	1								
2YF	0,4	0,92	(1)	1							
Y	0,6	1,10	1	(1)	1						
02Y	0,6	1,10	1	(1)	1	1					
2YF	0,6	1,32	(2)	2	2	2					
02YSF	0,6	1,30	(1)	1	(1)	(1)	(2)	1			
02Y	0,8	1,44	-	-	2	2	2	(2)	2		
02YSF	0,8	1,70	-	-	2	(2)	2	2	(3)	3	
02Y	0,9	1,70	-	-	2	2	(2)	2	3	(3)	3



- 1 = AVH 1 (white)
- 2 = AVH 2 (yellow)
- 3 = AVH 3 (green)
- Y = PVC
- 2Y = solid PE
- 02Y = foamed PE
- F = longitudinal water-proof
- S = foam skin
- ( ) = generally not used
- = no combination possible

## All dimensions in mm

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