

PRODUCT DATA SHEET

AVM 42 / 175, AVM 58 / 220, AVM 75 / 300

DESIGN

Two-piece, halogen-free sleeve shells made of transparent and impact-resistant polycarbonate in a slim and symmetric form (smaller amount of casting resin) suitable as a branch or connection cable joint. The branch cable is placed parallel to the main cable. Easy assembly thanks to hinge technology and pre-punched foam seals with break-out rings that can be glued in place if required and can be adjusted to the cable diameter without tools. The cable joint is protected electrically and mechanically by casting with ecologically optimized casting compound ISO-PUR® K2000, thin casting compound ISO-PUR® K762, label-free casting compound ISO-CAST® BRH or training-free casting compound ISO-PUR® K2000H.

USE

Depending on their size, the branch and connection cable joints of type AVM can be used to supply street lamps, traffic signs, billboards, signal systems or to repair electrical devices on plastic cables.

TESTS

- DIN VDE 0278 part 3
- DIN VDE 0291 draft 6 / 97
- DIN VDE 0291 part 2
- DIN EN 50393 (VDE 0278-393)
- DIN EN 50655-1:2018-06
- E DIN EN 60455-3-8:2018-02
- prHD 631.1
- European standard HD 623S / 1.97
- KEMA - tested (10 m water pillar)
- Additional high current (short circuit) test (VEW - PA 003)
- Control of each batch acc. DIN / ISO 9001



AVM 42 / 175 und AVM 58 / 220

ASSEMBLY

Branch and main cables are connected with common available compression connectors or cable clamps. The fully assembled cable joint is poured with cast resin through the large filling opening and closed with sliding covers. Fast filling of the cable ditch is possible due to the rapid hardening of the casting compound.

DELIVERY

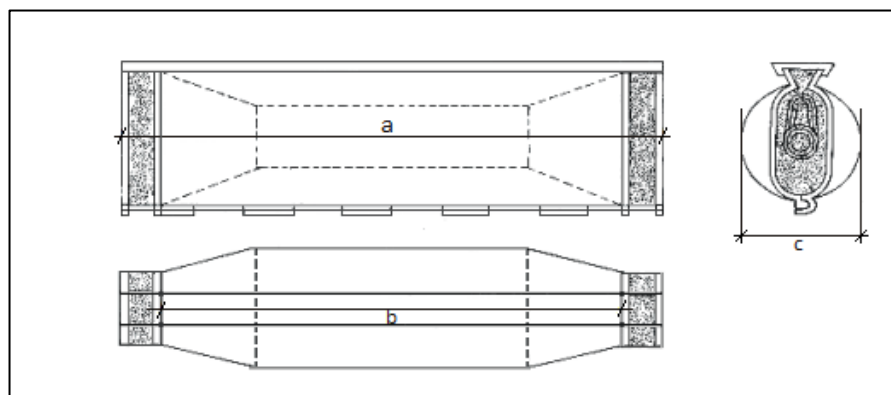
Sleeve shells, seals, sliding covers, auxiliary material, cast resin, assembly instructions. On request, cast resin in two-chamber bags (standard) or can packaging.

ACCESSORIES (ON REQUEST)

Cable clamps, compression connectors, solderless grounding set.

DIMENSIONS OF CABLE CASES AND EXAMPLES OF SUITABLE CABLE/JOINT COMBINATIONS

Cable joint type c / a	Outside length a (mm)	Inside length b (mm)	Max. diameter c (mm)	Volume (ltr.)	Max. diameter main / branch cable (mm)	Suitable cable types	Main or connection cable dimensions (mm ²)	Branch cable dimensions (mm ²)
AVM 42 / 175	175	135	42	0,165	20 / 15	N(A)YY	4 x 1,5 to 4 x 6	4 x 1,5 to 4 x 4
AVM 58 / 220	220	170	58	0,465	22 / 21	N(A)YY NA2XY N(A)YCWY	4 x 1,5 to 4 x 10 4 x 1,5 to 4 x 10 3 x 4/4 to 3 x 10/10	4 x 1,5 to 4 x 10 4 x 1,5 to 4 x 10 3 x 1,5/1,5 to 3 x 10/10
AVM 75 / 300	300	225	75	1,1	29 / 22	N(A)YY NA2XY N(A)YCWY	4 x 16 to 4 x 25 4 x 16 to 4 x 25 3 x 16/16 to 3 x 25/25	4 x 6 to 4 x 16 4 x 6 to 4 x 16 3 x 6/6 to 3 x 16/16



SELECTION EXAMPLE

Cable data:

Main cable NAPP 4 x 10 mm²

Branch cable NPP 4 x 1,5 mm²

Street lighting

Smallest suitable cable joint: AVM 58 / 220