

### PV-af

Alternative designations:  
RT-2X(St)Y  
XLPE/OSCR/PVC

Characteristics:  
- shielded cable core  
- unarmoured

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RT-2X(St)Y, PiMF  
XLPE/PSCR/OSCR/PVC

Characteristics:  
- shielded pairs  
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- unarmoured

### Construction:

#### conductors:

solid conductors of thermocouple/compensating cable material.

#### insulation:

XLPE (cross-linked polyethylene), 0.4mm nominal thickness.

#### pairs, numbered\*:

2 cores twisted into a pair.  
Core colours: refer to table.

#### shielding of pairs (PV-2af):

- 1 layer of polyester foil,
- 1 layer of polyester/aluminium foil with a solid tinned copper earth wire 0.6mm dia.,
- 1 layer of polyester foil.

#### communication core\*:

0.5 mm<sup>2</sup> (7x0.31 mm dia.) copper, with orange XLPE insulation.

#### shielding of cable core:

- 1 layer of polyester foil,
- 1 layer of polyester/aluminium foil with tinned copper earth litz wire (7x0.31 mm dia.),
- 1 layer of polyester foil.

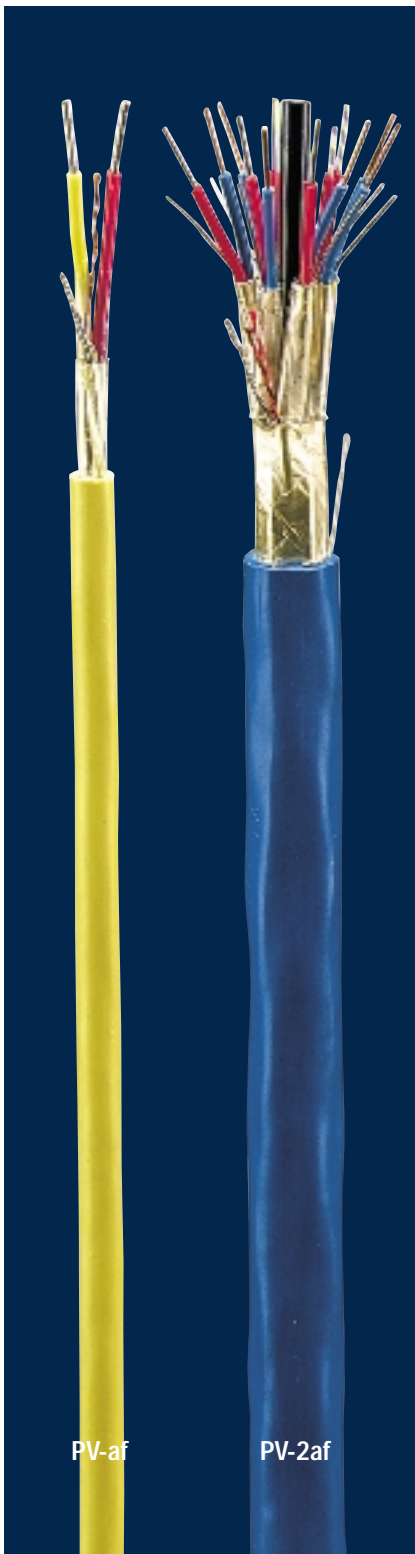
#### outer sheath:

flame-retardant PVC, sheath colour: refer to table.

#### standards:

(as far as applicable): IEC 189,228,228A, 332-1, 540,584, and NEN 15013-2. KEMA specifications K42 and K71. ANSI 96.1, DIN 43710, BS 4935 and NFE 18-001.

\*) Lacking on single-pair PV-af cables.



PV-2af Type	Manteldikte mm ca.	Buitendiameter mm ca.	Gewicht kg/km ca.
1x2x1,3 (af)	0,9	6,5	73
2x2x0,8	0,9	9,0	113
4x2x0,8	0,9	11,0	150
6x2x0,8	1,2	13,5	195
8x2x0,8	1,2	14,5	215
12x2x0,8	1,2	16,5	290
16x2x0,8	1,2	18,5	382
24x2x0,8	1,4	22,0	538