

PV-af

Alternative designations:
RE-2X(ST)Y
XLPE/OSCR/PVC

Characteristics:

- 7 wire conductors
- shielded cable core
- unarmoured

PV-2af

Alternative designations:
RE-2X(ST)Y,PIMF
XLPE/PSCR/OSCR/PVC

Characteristics:

- 7 wire conductors
- shielded pairs
- shielded cable core
- unarmoured



Construction:

conductors:

soft-annealed, plain electrolytic copper, 7 wires stranded to form one flexible conductor (cross-sectional area: 0.5, 0.75 or 1.3 mm²).

insulation:

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

pairs, numbered*:

2 cores twisted into a pair.
Core colours are white and black.

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 mm² (7x0.31 mm dia.), 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 colours are black or blue.

standards:

(as far as applicable): IEC 189, 228, 228A, 332-3C and 502.
KEMA standard K102 and draft CENELEC specifications for instrumentation cables.

**) Lacking on single pair PV-af cables and triplet cables (1x3x1.3).*

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PV-2af