



TOPDATA®

VHOV-K (PAR-POS) & VOV-K (POS) 300/500V

Flexible instrumentation screened cable.

BASED ON: EN 50288-7



E_{ca}

APPLICATION

TopData® VHOV-K (PAR-POS) & VOV-K (POS) is a flexible screened cable for signalling and control on industrial machinery facilities. The collective screen (VOV-K) and individual and collective screen (VHOV-K) make them especially suitable for areas where electrical noise protection is required.

CONSTRUCTION

Conductor

Electrolytic annealed copper, class 5 (flexible) according to EN 60228 and IEC 60228.

Insulation

Flexible PVC.

The standard identification of insulated conductors is the following:

2 x Pairs numbered (black + blue).

Other colours available on request.

Assembly of cores

Stranded conductors in pairs.

Individual screen (VHOV-K (PAR-POS))

Individual polyester (per pair) composed by aluminium / polyester tape with 100% coverage + tinned copper drain wire.

Assembly of pairs

Cabled in concentric layers.

Collective Screen

Aluminium / polyester tape with 100% coverage + tinned copper drain wire.

Outer sheath

Flexible PVC.

Black colour.

The ripcord allows you to gently tear the outer-sheath and remove it without damaging the screen.

CHARACTERISTICS



Electrical performance

Low voltage: 300/500 V.



Thermal performance

Maximum conductor temperature: 70°C.

Maximum short-circuit temperature: 160°C (max. 5 s).

Minimum service temperature: -30°C (fixed and protected installations).



Fire performance

Flame non-propagation according to EN 60332-1 / IEC 60332-1.

Reaction to fire CPR: E_{ca} according to EN 50575.

Low halogen emission. Chlorine < 15%.



Mechanical performance

Minimum bending radius: 5x cable diameter.

Impact resistance: AG2 Medium severity.



Environmental performance

Chemical & Oil resistance: Good.

UV Resistant according to UNE 211605.

Water resistance: AD5 Jets.



Installation conditions

Open Air.

Buried.

In conduit.

STANDARDS / COMPLIANCE



Based on

EN 50288-7



Standards and approvals

RoHS / CE



CPR (Construction Products Regulation)

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