

TOPFLEX[®] V-K H05V-K & H07V-K

Electric cabinet wiring and domestic use.

ACCORDING TO: EN 50525-2-31 / IEC 60227-3



E_{ca}

APPLICATION

Topflex[®]V-K H05V-K & H07V-K cable has been specially designed for installations that require a flexible cable due to the complex nature of their layout.

This cable is especially suitable for domestic wiring.

It may also be used for equipment wiring, distributors, cabinets and lighting.

It is also recommended for installation under false ceilings. Cables with cross section up to 1 mm² are especially suited for signalling and monitoring installations.

CONSTRUCTION

Conductor

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

Insulation

Extra sliding flexible polyvinyl chloride type T11 according to EN 50363-3.

The standard identification of insulated conductors is the following:

Blue	RAL 5012
Brown	RAL 8003
Black	RAL 9005
Red	RAL 3000
Green/Yellow	RAL 6018/1021
Grey	RAL 7000
Dark Blue	RAL 5010
White	RAL 9010
Orange	RAL 2003
Violet	RAL 4005
Pink	RAL 3015

Other colours available on request.

CHARACTERISTICS

-  **Electrical performance**
Low voltage 300/500 V · 450/750 V.
Rated Voltage: H05V-K (up to 1 mm²): 300/500 V.
H07V-K (from 1,5 mm² onwards): 450/750 V.
-  **Thermal performance**
Maximum conductor temperature: 70°C.
Maximum short-circuit temperature: 160°C (max. 5 s).
Minimum installation and handling temperature: 5°C.
Minimum service temperature: -40°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.
Reduced halogen emission. Chlorine < 15%.
-  **Mechanical performance**
Minimum bending radius: 5x cable diameter.
-  **Environmental performance**
Chemical & Oil resistance: Acceptable.
-  **Installation conditions**
In conduit.
-  **Other**
Meter by meter marking. (from 10 mm² onwards).

STANDARDS / COMPLIANCE

 According to
EN 50525-2-31 / IEC 60227-3

 Standards and approvals
HAR / AENOR / SEC / RoHS / CE

 CPR (Construction Products Regulation)
E_{ca}

