



## APPLICATION

Topflex<sup>®</sup> MS Tri-rated H07V2-K cable has been designed for the internal wiring of electrical cabinets, switch boards and small electrical devices.

Due to its manufacturing characteristics, it can be used in conduit or in flexible motor ducts, transformers and other machinery in general.

- Industrial use.
- Electrical panel wiring.

## CONSTRUCTION

### Conductor

Electrolytic annealed copper conductor, class 5 (flexible), according to EN 60228, IEC 60228 and BS 6360.

### Insulation

Flexible PVC, extra sliding, high service temperature type T13 according to EN 50363-3, and Class 43 UL 1581.

The special characteristics of the material ensure good easy-slide properties to the cable.

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

## CHARACTERISTICS



### Electrical performance

Low voltage: According to EN (H05V2-K) 300/500 V  
According to EN (H07V2-K) 450/750 V  
According to BS (CK) 600/1000 V  
According to UL (AWM) 600 V  
According to CSA (TEW) 600 V



### Thermal performance

Maximum service temperature: 90°C according to EN and BS,  
105°C according to UL and CSA.  
Maximum short-circuit temperature: 160°C (max 5 s).  
Minimum service temperature: -40°C (fixed and protected installations).



### Fire performance

Flame non-propagation according to EN 60332-1 / IEC 60332-1 and VW-1 and FT2 according to UL 2556.  
Reaction to fire CPR: Eca according to EN 50575.



### Mechanical performance

Minimum bending radius: 5x cable diameter.



### Environmental performance

Chemical & Oil resistance: Acceptable.  
Water resistance: AD3 Sprays.



### Installation conditions

In conduit.



### Other

Meter by meter marking (from 10 mm<sup>2</sup> onwards).



### Packaging

These cables are supplied in reels, barrels or bulk drums.

CROSS SECTION	PACKAGING
0,50-6 mm <sup>2</sup>	100 m reels (or barrels upon request)
10-16 mm <sup>2</sup>	100 m reels or bulk drums
25 mm <sup>2</sup> onwards	bulk drums

## STANDARDS / COMPLIANCE



According to  
EN 50525-2-31 / UL 758 / CSA C22.2 / BS 6231



Standards and approvals  
HAR / AENOR / UL LISTED / RoHS / CE



CPR (Construction Products Regulation)  
Eca

