

# TOPFLEX® MS TRI-RATED / H07V2-K

Internal wiring of electrical cabinets. (UL, CSA, BS, UNE)

ACCORDING TO: EN 50525-2-31 / BS 6231 / UL 758 / CSA C22.2

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## APPLICATION

Topflex® 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, 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 conductor 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, FT1 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)**  
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