

# TOPFLEX MS TRI-RATED

TOP CABLE TOPFLEX MS TRIRATED H07V2-K

We are living in a global economy. Manufacturers must produce products for a range of different and diverse markets in order to make their products cost effective. However, whilst trying to standardise their products they must also comply with the local standards and restrictions. This means on one hand trying to standardise products to be more cost effective and on the other hand meeting the local requirements and certifying their products and components accordingly, and this includes the cables they use.

The multi-standard Top Flex Tri-rated cable goes a long way to solving many of these problems for machinery and panels. A global solution for a local market.

## Characteristics:

- ✓ ELECTRICAL PANEL WIRING
- ✓ IN CONDUIT
- ✓ CHEMICAL & OIL RESISTANCE
- ✓ WATER RESISTANCE: AD3 ASPERSION
- ✓ FLAME NON PROPAGATION VW-1/FT-2
- ✓ MULTI-STANDARD CERTIFIED
- ✓ MULTIPLE COLOURS



✓ **Multi-Standard cable**

# TOPFLEX MS TRI-RATED

## LOW VOLTAGE

H05V2-K 300/500 V · H07V2-K 450/750 V  
CK 600/1000 V · UL 600V

Based on: HD 21 / UL 758



### The universal cable

#### DESIGN

##### Conductor

Electrolytic copper, class 5 (flexible), based on EN60228 and BS 6360.

##### Insulation

Flexible PVC, high service temperature type T13 according to UNE 21031/HD 21 and Class 43 UL 1581. The special material used for isolation provides extra sliding properties to the cable.

#### APPLICATIONS

The Topflex Tri-rated 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.

##### Packaging

Small cross sections (from 0,75 mm<sup>2</sup> to 6 mm<sup>2</sup>) are supplied in high resistant boxes (see table below). Medium cross sections (from 10 mm<sup>2</sup> to 35 mm<sup>2</sup>) are supplied in 100 m sealed coils. Cross sections > 35 mm<sup>2</sup> are supplied in drums.

#### BOX COLOUR GUIDE

STYLE	CROSS SECTION	PACKAGING
1015	0,75-6 mm <sup>2</sup>	High resistant boxes
1028	10 mm <sup>2</sup>	Sealed coils
1283	16-35 mm <sup>2</sup>	Sealed coils
1284	>50 mm <sup>2</sup>	Drums

National norm / European: EN 60332-1  
International norm: IEC 60332-1 / UL 2556

#### CHARACTERISTICS



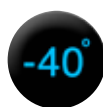
Flexible conductor class 5



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



Flame non-propagation VW-1 / FT-2



Minimum service temperature: -40°C (Fixed and protected installation)



Minimum bending radius: 5 x cable diameter



Water resistance AD3 aspersion



Maximum service temperature 90°C based on HD and BS, 105°C based on UL and CSA



Meter by meter marking: from 10mm<sup>2</sup> onwards



Chemical & oil resistance: acceptable

#### INSTALLATION CONDITIONS



In conduit



Electrical panel wiring