POWERHARD® M RVhMVh-K

Galvanized steel wire armour cable.

ACCORDING TO: IEC 60502-1

Eca

APPLICATION

POWERHAR® M RVhMVh-K cable is highly recommended for petrol stations, petrochemical plants, etc. It can also be used in production plants, agricultural facilities, street lighting and installations where the cable is subject to high mechanical aggression.
This cable is also available in hydrocarbon resistant version.

CONSTRUCTION

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

Insulation
Cross-linked polyethylene, type DIX-3 according to HD 603 and type XLPE according to IEC 60502-1.
The standard identification of insulated conductors according to HD 308, is the following:

1 x	Natural
2 x	Blue + Brown
3 G	Blue + Brown + Green/Yellow
3 x	Brown + Black + Grey
3 x + 1 x	Brown + Black + Grey + Blue (reduced cross-section)
4 G	Brown + Black + Grey + Green/Yellow
4 x	Brown + Black + Grey + Blue
5 G	Brown + Black + Grey + Blue + Green/Yellow
6 or more	Black numbered + Green/Yellow

Inner covering
PVC.

Armour
Galvanized steel wire armour.
Aluminium armour is used in single-core cables to avoid parasite currents that may overheat the cable.

Outer sheath
PVC type ST2 according to IEC 60502-1.
Black colour.

CHARACTERISTICS

Electrical performance
Low voltage 0,6/1 kV.

Thermal performance
Maximum conductor temperature: 90°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum service temperature: -40°C (fixed and protected installations).
Minimum installation and handling temperature: 0°C (on cable surface).

Fire performance
Flame non-propagation according to EN 60332-1 / IEC 60332-1.
Reaction to fire CPR: Eca according to EN 50575.
Reduced halogen emission. Chlorine < 15%.

Mechanical performance
Minimum bending radius: 10x cable diameter.
Impact resistance: AG4 High severity.
Rodent proof.

Environmental performance
Chemical & Oil resistance: Good.
UV Resistant according to UNE 211605.
Water resistance: AD7 immersion.

Installation conditions
Open Air.
Buried.
In conduit.

STANDARDS / COMPLIANCE

According to
IEC 60502-1

Standards and approvals
BUREAU VERITAS / RoHS / CE

CPR (Construction Products Regulation)
E_{ca}

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