

POWERHARD M

RVMV-K & VVMV-K

Highly protected power transmission

DESIGN

Conductor

Electrolytic copper, class 5, based on EN 60228

Isulation

XLPE for RVMV-K or PVC for VVMV-K

The standard identification is the following

1 x	.....	natural
2 x	.....	Blue + Brown
3 G	.....	Blue + Brown + Yellow/green
3 x	.....	Brown + Black + Grey
3 x + 1 x	.....	Brown + Black + Grey+ Blue (reduced cross section)
4 G	.....	Brown + Black + Grey + Yellow/green
4 x	.....	Brown + Black + Grey + Blue
5 G	.....	Brown + Black + Grey + Yellow/green + Blue

Armour bedding

PVC.

Armour

Galvanized steel wire armour, is wound around the separation sheath. For single-core cables (RVMAV-K or VVMAV-K), aluminium wire armour is used to avoid parasite currents that may overheat the cable.

Outer sheath

PVC, black colour.

APPLICATIONS

The Powerhard M cable's design is especially suitable for fixed installation in potentially explosion hazard locations. It is highly recommended for use in petrol stations, petrochemical plants, flammable product warehouses, etc. At the same time, it can be used in installations such as production plants, agricultural facilities, street lighting and installations in general where the cable is subject to risk of mechanical aggression.



CHARACTERISTICS



Flexible conductor class 5



Minimum bending radius: 10x cable diameter



Impact resistance: AG3. High impact.



Suited for explosion proof installations.



Industrial use



Damp environment



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



Meter by meter marking



Outdoor installation: permanent



Open air



Rodent proof



Maximum service temperature 90°C/70°C



Flame non-propagation



Water resistance AD7 immersion



Buried



Maximum short-circuit temperature: 250°C/160°C (max. 5 s)



Fire non-propagation



Chemical & oil resistance: good



In conduit