



POWERHARD RV AL / U-1000 AR2V

Aluminium cable for power transmission.

HD 603-5N / NF C 32-321

DESIGN

Conductor

Aluminium, class 2 based on EN 60228 and IEC 60228.

Insulation

Cross-linked polyethylene (XLPE)

Outer sheath

Flexible PVC, Black or grey colour.



E_{ca}

APPLICATIONS

This Aluminium cable is suitable for all types of underground networks for public power distribution, as well as low voltage connexions in industrial plants, urban networks, buildings, etc. Due to its rigidity, its use is recommended in installations with a simple configuration where a flexible cable is not needed.





CHARACTERISTICS



Electrical performance

LOW VOLTAGE 0,6/1kV



Standard

HD 603-5N / NF C 32-321



Approvals

CE
NF-USE
AENOR
RoHS



E_{ca}



Thermal performance

Maximum service temperature: 90°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum service temperature: -40°C (fixed and protected installations).



Fire performance

Flame non-propagation based on UNE-EN 60332-1 and IEC 60332-1.
Reduced emission of halogens. Chlorine <15%.
Reaction to fire CPR: E_{ca}, according to EN 50575.



Mechanical performance

Minimum bending radius: x 5 cable diameter.
Impact resistance: AG2 Medium severity.



Chemical performance

Chemical & Oil resistance: Good.
UV Resistant: UNE 211605 and NF-C 32-323.



Water performance

Water resistance: AD7 Immersion.



Other

Meter by meter marking.



Installation conditions

Open Air.
Buried.
In conduit.



Applications

Industrial use.
Distribution network.