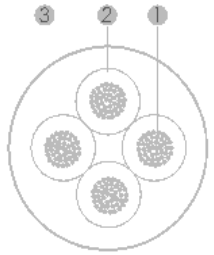


# Power cable H05RN-F



1. Electrolytic bare copper flexible conductor
2. Type EI4 cross-linked elastomeric compound insulation
3. Type EM 2 cross-linked elastomeric compound outer sheath



## APPLICATIONS



Suitable for installation in domestic premises, kitchens and offices, for ordinary duty applications and supplying appliances where they could be undergone to low mechanical stresses (vacuum cleaners, cooking appliances, domestic portable tools, hand held inspection lamps). The outdoor use for temporary periods of short duration and in places with presence of water (AD2 condition) is allowed.

Technical Data			
Temperature range	-25 ÷ 60 °C ( @ xed installation )	Bending radius	6xD ( @ xed installation )
Short-circuit temperature	200 °C	Test voltage	2000 V AC
Voltage rating	300/500 V AC	Flame resistance	IEC 60332 -1-2
Suitable for outdoor use	Temporary periods of short duration	Suitable for fixed installation	

Size conductor [ mm <sup>2</sup> ]	Conductor stranding [ N° x mm ]	Electrical resistance [ Ω / Km ]	Diameter on insulation [ mm ]	Radial thickness of insulation [ mm ]
0.75	24 x 0.193	≤ 26.0	2.33 ± 0.1	≥ 0.60
1	32 x 0.193	≤ 19.5	2.47 ± 0.1	≥ 0.60

Size conductor [ mm <sup>2</sup> ]	Outer diameter [ mm ]	Thickness of jacket [ mm ]	Size conductor [ mm <sup>2</sup> ]	Outer diameter [ mm ]	Thickness of jacket [ mm ]
2 x 0.75	6.2 ± 0.2	≥ 0.8	2 x 1	6.7 ± 0.2	≥ 0.9
3 x 0.75	6.7 ± 0.2	≥ 0.9	3 x 1	7.1 ± 0.2	≥ 0.9
4 x 0.75	7.3 ± 0.2	≥ 0.9	4 x 1	7.8 ± 0.2	≥ 0.9

## Standard reference

EN 50525-2-21, Low Voltage European Directive No. 2014/35/UE  
IMQ-HAR certificate No. CA01.00683

## Stranding of conductor

Class 5 electrolytic bare copper flexible conductor conforming to IEC 60228 standard

## Insulation

EI 4 type cross-linked elastomeric compound complying with EN 50363-1

## Cable assembly

The inner cores will be twisted together

## Color of insulation

In compliance with requirements of HD 402 and EN 50525-1 standards

## Outer sheath

EM 2 type cross-linked elastomeric compound complying with EN 50363-2-1

## Color of sheath

On customer's request