



# 209-Y, H03V2V2-F, 03V2V2-F\* H03V2V2H2-F 300/300V

BS EN 50525-2-11

Heat resistant PVC insulated and sheathed flexible cords

## APPLICATIONS

In domestic premises, kitchens, offices; in high ambient temperatures for household appliances, including in damp premises; for medium duties (eg. washing machines, spin dryers, and refrigerators).

Standard length cable packing

500 or 1000 m on drums.  
Other forms of packing and delivery are available on request.

## CONSTRUCTION

Conductors:

Annealed copper, class 5 flexible conductor acc. to EN 60228

Insulation:

Heat resistant PVC 90°C type T13

Sheath:

Heat resistant PVC 90°C type TM3



## CHARACTERISTICS

Colour of sheath:

white, black, grey

Core identification:

2-core: blue, brown

3-core: green-yellow, blue, brown

4-core: green-yellow, brown, black, grey

Maximum conductor operating temperature:

+90°C

Lowest ambient temperature for fixed installation:

-30°C

Lowest installation temperature:

-5°C

Maximum short-circuit conductor temperature:

+150°C

Minimum bending radius:

6 × D, D – overall diameter

Max. permissible tensile stress with cable grip  
for Cu-conductor:

50 N/mm<sup>2</sup>

Test voltage:

2000V

# Fire performance

Flame retardant:

EN 60332-1-2

## Technical and Electrical Characteristics

Number and cross-sectional area of conductor	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
<b>n × mm<sup>2</sup></b>	<b>mm</b>	<b>kg/km</b>	<b>Ω/km</b>
<b>H03V2V2-F, 03V2V2-F*</b>			
2 × 0.5	5	34	39
2 × 0.75	5.4	42	26
2 × 1*	5.6	48	19.5
<b>H03V2V2-F, 03V2V2-F*</b>			
3 × 0.5	5.3	41	39
3 × 0.75	5.7	50	26
3 × 1*	5.9	58	19.5
4 × 0.5	5.8	49	39
4 × 0.75	6.3	62	26
4 × 1*	6.7	75	19.5
<b>H03V2V2H2-F</b>			
2 × 0.5	3.1 × 5.0	26	39
2 × 0.75	3.3 × 5.4	32	26

\*based on norm

## Current rating

Cross-section	Current ratings	
	Single phase	Three phase
<b>mm<sup>2</sup></b>	<b>A</b>	<b>A</b>
0,5	3	3
0,75	6	6
1	10	10

For ambient temperature 30°C

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