



H05VV-F 300/500 V

Reference standards

CEI 20-20 /5
CENELEC HD 21.5 S3
CEI EN 60332-1-2
2011/65/CE
2006/95/CE

Cable description

Multicore energy cables, flexible, harmonised, with PVC insulation and sheathing

- Non flame propagation
- Good flexibility

Conductor

Annealed red copper with flexible round cord CLASS 5

Core isolation

Polyvinyl chloride (PVC) T12 quality

Core colour

2x Brown / Blue
3x Yellow-Green / Brown / Blue

Sheath

Polyvinyl chloride (PVC) coating TM2 quality

Sheath colour

Black - White - Grey RAL 7035

Technical specifications

Rated voltage: U₀/U: 300/500 V

Maximum operating temperature: 60° C

Minimum operating temperature: -10° C

Maximum short-circuit temperature: 150° C

Installation conditions

Minimum installation temperature: 5°C

Recommended minimum bending radius: 4 times the maximum outer diameter (fixed p.p.) 6 times the maximum outer diameter (movable p.p.)

Maximum recommended tensile stress: 15 N/mm² of copper section

Packaging

- Hanks 100 metres
- Wooden reel

Applications

Cables suitable for mobile laying. Suitable for installation in domestic premises, kitchens and offices as well as in humid environments. Also suitable for supplying heating and kitchen appliances as long as not in contact with hot parts and not subject to radiation.

Not permitted for use in industrial agricultural buildings or outdoors and for non-domestic mechanical tools.

Conductor number N°	Nominal section mmq	Approximate conductor diameter mm	Average insulation thickness mm	Maximum external diameter mm	Approximate weight Kg /km	Electrical resistance at 20° C. Maximum Ω/Km
2 x	0,75	1,1	0,6	7,2	55	26
	1	1,3	0,6	7,5	63	19,5
	1,5	1,5	0,7	8,6	82	13,3
	2,5	2	0,8	10,6	126	7,98
3 G	0,75	1,1	0,6	7,6	65	26
	1	1,3	0,6	8,0	76	19,5
	1,5	1,5	0,7	9,4	104	13,3
	2,5	2	0,8	11,4	160	7,98