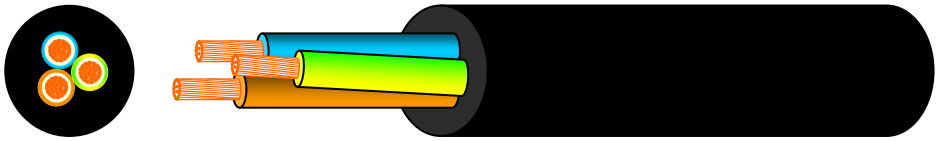

H03VV-F

Reaction to Fire CPR: Eca

Ordinary duty cables, PVC sheathed with flexible conductor.

Rated voltage
Uo/U 300/300 V

Standards
EN 50525-1, EN 50525-2-11, EN IEC 60332-1-2, EN IEC 60228, EN 50575:2014+A1:2016.

Regulation Construction Products
305/2011 EU.

European directives
2014/35/UE (LVD) - 2011/65/CE e 2015/863/EU (RoHS).

Conductor
Flexible annealed plain copper class 5 (EN IEC 60228).

Insulation
PVC of type TI2. Colours of the cores:
Two-core : blue-brown;
Three-core : green/yellow-blue-brown or brown-black-grey;
Four-core : green/yellow-brown-black-grey or blue-brown-black-grey;

Sheath
PVC of type TM2. Colour of the sheath: black or white or grey; if explicitly requested, and for agreed quantities, the cables can be supplied in other single colours.

Marking
Continuous marking on the sheath: on one side « ICEL H03VV-F IEMMEQU <HAR> ECOGAMMA EN BS 50525 Eca »; on the opposite side « nominal cross section, year of production, MADE IN ITALY ».

Guidance for Use
For installation in domestic premises, kitchens, offices, for household appliances, including in damp premises.
Unsuitable for outdoor use, in industrial or agricultural buildings and for non domestic portable tools.

Further instructions and guidance for use are given in the EN 50565 standard.

According to CPR EN IEC 60332-1-2

Minimum installation and handling temp +5 °C

Maximum operating temperature on the conductor
60 °C

Maximum short circuit temperature (max 5 sec)
150 °C

Minimum usage temperature -10 °C

Maximum tensile stress 1,5 kg/mm²

Minimum internal bending radii 3 ÷7 times the overall diameter

Lead Free Ecogamma
Pb free

According to RoHS
RoSH free

H03VV-F

Number and nominal cross-sectional area of conductors n x mm²	Maximum diameter of conductor wires mm	Thickness of insulation specified value mm	Thickness of sheath specified value mm	Mean overall dimensions		Indicative cable weight g/m	Maximum resistance of conductors at 20 °C ohm/km	Minimum insulation resistance at 70 °C Mohm•km
				MIN mm	MAX mm			
2 x 0,5	0,21	0,5	0,6	4,6	5,9	41	39,0	0,011
2 x 0,75	0,21	0,5	0,6	4,9	6,3	48	26,0	0,010
3 G 0,5	0,21	0,5	0,6	4,9	6,3	48	39,0	0,011
3 G 0,75	0,21	0,5	0,6	5,2	6,7	57	26,0	0,010
4 G 0,5	0,21	0,5	0,6	5,4	6,9	58	39,0	0,011
4 G 0,75	0,21	0,5	0,6	5,7	7,3	70	26,0	0,010

If explicitly requested, and for agreed quantities, a version of the cables without the protective conductor (green/yellow) can be supplied