H03VV-F

Flexible cables

Standard: EN 50525-2-11

Design

1. Copper conductor flexible class 5
2. PVC insulation
3. PVC outer sheath

Application

Cables are designed for using in domestic premisses and offices for light duty applications and household appliances, (e.g. music equipment, table and standard lamps, office equipment). Cables are not suitable for connecting cooking and heating devices, for outdoor installation or use in commercial facilities.

Installation of the product should only be carried out by personnel trained and qualified for electrical works. The product is designed according to recognized standards. Applicable rules of installation must be applied at all times.

Properties

Rated voltage Uo/U	0,3/0,3 kV
Test voltage	2 (AC) kV
Maximal short-circuit conductor temperature	150 °C
Maximal operating conductor temperature	70 °C
Temperature range	-15*) up to 70 °C
Minimal temperature for laying and manipulation	5 °C
Minimal storage temperature	-15 °C
Colour of insulation	HD 308 S2
Colour of sheath	white or black, different colours for request

Self-extinguishing of one cable	IEC 60332-1-2
CPR-Classification	Eca
UV stability	no
Packaging	coil
Certificate	BBJ-HAR
RoHS	yes
REACH	yes
Declaration of Conformity EU (CE)	yes

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Technical data

No. of cores and cross-section	Diameter of conductor	Thickness - nominal insulation	Thickness - nominal sheath	Diameter informative	Weight informative	Minimal radius of bend	Max. effective resistance conductor at 20°C	Max. permitted pulling force *1
mm²	mm	mm	mm	mm	kg/km	mm	Ω/km	N
2x0,5	0,9	0,5	0,6	4,8	34	19	39,0	50
2x0,75	1,1	0,5	0,6	5,2	42	21	26,0	75
3x0,5	0,9	0,5	0,6	5,1	40	20	39,0	75
3x0,75	1,1	0,5	0,6	5,5	51	22	26,0	113
4x0,5	0,9	0,5	0,6	5,6	49	22	39,0	100
4x0,75	1,1	0,5	0,6	6,0	62	24	26,0	150

*1 Force is distributed over all cable conductors

Note

*) Cable must not be mechanically stressed, if temperature drops below 5°C.