H05VV-F (U500 SV1V) - SOUPLEX+



STANDARDS

Product IEC 60227-1; NF C32-201/5

APPLICATION

H05VV-F cables are designed for households. They can only be used for heating and cooking appliances if there is no risk of radiations or contact with hot parts.

INSTALLATION AND DESIGN

Installation

Open air.

Sheath colour

Grey. Others under request

CHARACTERISTICS

Construction characteristics	
Sheath colour	Grey
Conductor flexibility	Flexible class 5
Conductor material	Bare copper
Insulation	PVC
Outer sheath	PVC
Electrical characteristics	
Rated Voltage Uo/U (Um)	300/500 V
Mechanical characteristics	
Mechanical resistance to impacts	Low
Cable flexibility	Flexible
Usage characteristics	
Length	100 m
Packaging	Coil
Flame retardant	C2, NF C 32-070
Weather resistance	Good
Max. conductor temperature in service	60 °C
Chemical resistance	Accidental



Conductor flexibility
Flexible class 5



Rated Voltage Uo/U (Um)
300/500 V



Mechanical resistance to impacts
Low



Cable flexibility
Flexible



Flame retardant
C2, NF C 32-070



Weather resistance
Good



Max.conductor temp.in service
60 °C



Chemical resistance
Accidental

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Usage characteristics	
Operating temperature, range	-5 ... 60 °C
Water proof	Accidental
Bending factor when laying	3 (xD)

TECHNICAL DATA

Nexans Ref.	Name	Nb. of cores	Cross section [mm²]	Approx. weight [kg/km]	Max. outer diam. [mm]	Perm. current rating open air [A]	Voltage drop, single phase [V/A.km]
57136235408	H05 VVF |SV1V| 2x0,75 Gris - SOUPLEX+	2	0.75	60	7.6	14	50.0
57136237508	H05 VVF |SV1V| 2x1 Gris - SOUPLEX+	2	1	60	8.0	15	37.5
57136239608	H05 VVF |SV1V| 2x1,5 Gris - SOUPLEX+	2	1.5	80	9.0	20	25.6
57136241608	H05 VVF |SV1V| 2x2,5 Gris - SOUPLEX+	2	2.5	130	11.0	26	15.4
57136244608	H05 VVF |SV1V| 2x4 Gris - SOUPLEX+	2	4	172	10.3	32	10.4
57136335108	H05 VVF |SV1V| 3G0,75 Gris - SOUPLEX+	3	0.75	65	8.0	14	43.2
57136337208	H05 VVF |SV1V| 3G1 Gris - SOUPLEX+	3	1	70	8.4	15	32.4
57136339308	H05 VVF |SV1V| 3G1,5 Gris - SOUPLEX+	3	1.5	105	9.8	20	22.2
57136341408	H05 VVF |SV1V| 3G2,5 Gris - SOUPLEX+	3	2.5	160	12.0	29	13.3
57136344408	H05 VVF |SV1V| 3G4 Gris - SOUPLEX+	3	4	213	11.1	32	10.4
57136437708	H05 VVF |SV1V| 4G1 Gris - SOUPLEX+	4	1	108	9.4	14	32.0
57136439808	H05 VVF |SV1V| 4G1,5 Gris - SOUPLEX+	4	1.5	140	11.0	18	22.2
57136441108	H05 VVF |SV1V| 4G2,5 Gris - SOUPLEX+	4	2.5	200	13.0	24	13.3


Conductor flexibility
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C2, NF C 32-070


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60 °C


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57136444108	H05 VVF |SV1V| 4G4 Gris - SOUPLEX+	4	4	320	9.0	29	9.0
57136535208	H05 VVF |SV1V| 5G0,75 Gris - SOUPLEX+	5	0.75	100	9.6	12	43.4
57136537308	H05 VVF |SV1V| 5G1 Gris - SOUPLEX+	5	1	132	10.0	14	32.0
57136539408	H05 VVF |SV1V| 5G1,5 Gris - SOUPLEX+	5	1.5	170	12.0	18	22.2
57136541708	H05 VVF |SV1V| 5G2,5 Gris - SOUPLEX+	5	2.5	250	14.0	24	13.3


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