



318-Y, H05VV-F, 05VV-F* 319-Y, H05VVH2-F, 05VVH2-F* 300/500V

BS EN 50525-2-11,

PVC insulated and sheathed flexible cords

APPLICATIONS

In domestic premises, kitchens, offices; 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:

PVC type T12

Sheath:

PVC type TM2

CHARACTERISTICS

Colour of sheath:	white, black-UV resistant, grey
Core identification:	2-core: blue, brown 3-core: green-yellow, blue, brown 4-core: green-yellow, brown, black, grey 5-core*: green-yellow, blue, brown, black, grey 6 and more: green-yellow, + core black with white numbering
Maximum conductor operating temperature:	+70°C
Lowest ambient temperature for fixed installation:	-40°C
Lowest installation temperature:	-5°C
Maximum short-circuit conductor temperature:	+150°C
Minimum bending radius:	6 × D, D – overall diameter
Test voltage:	2000V



Fire performance

Flame retardant:	EN 60332-1-2
CPR – class reaction to fire (acc. EN 50575):	Eca

Technical and Electrical Characteristics

Number and cross-sectional area of conductor	Maximum diameter of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n × mm ²	mm	mm	mm	mm	kg/km	Ω/km
H05VV-F, 05VV-F*						
2x0,5*	0,21	0,6	0,8	5,8	43	39,0
2x0,75	0,21	0,6	0,8	6,2	51	26,0
2x1	0,21	0,6	0,8	6,4	57	19,5
2x1,5	0,26	0,7	0,8	7,4	78	13,3
2x2,5	0,26	0,8	1,0	9,2	122	7,98
2x4	0,31	0,8	1,1	10,3	165	4,95
2x6*	0,31	0,8	1,2	11,7	223	3,30
3x0,5*	0,21	0,6	0,8	6,1	50	39,0
3x0,75	0,21	0,6	0,8	6,6	61	26,0
3x1	0,21	0,6	0,8	6,8	69	19,5
3x1,5	0,26	0,7	0,9	8,1	98	13,3
3x2,5	0,26	0,8	1,1	9,9	153	7,98
3x4	0,31	0,8	1,2	11,1	209	4,95
3x6*	0,31	0,8	1,2	12,4	279	3,30
4x0,5*	0,21	0,6	0,8	6,7	60	39,0
4x0,75	0,21	0,6	0,8	7,2	73	26,0
4x1	0,21	0,6	0,9	7,6	87	19,5
4x1,5	0,26	0,7	1	9,0	124	13,3
4x2,5	0,26	0,8	1,1	10,8	187	7,98
4x4	0,31	0,8	1,2	12,2	257	4,95
4x6*	0,31	0,8	1,3	13,8	351	3,30

Number and cross-sectional area of conductor	Maximum diameter of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n × mm²	mm	mm	mm	mm	kg/km	Ω/km
5x0,5*	0,21	0,6	0,8	7,3	73	39,0
5x0,75	0,21	0,6	0,9	8,0	93	26,0
5x1	0,21	0,6	0,9	8,3	106	19,5
5x1,5	0,26	0,7	1,1	10,0	156	13,3
5x2,5	0,26	0,8	1,2	12,1	235	7,98
5x4	0,31	0,8	1,4	13,7	329	4,95
5x6*	0,31	0,8	1,3	15,1	434	3,30
6x1*	0,21	0,6	1,0	9,2	130	19,5
6x1,5*	0,21	0,7	1,1	10,9	185	13,3
7*0,5*	0,21	0,6	0,8	5,8	43	39,0
7x0,75*	0,21	0,6	1,0	8,9	118	26,0
7x1*	0,21	0,6	1,0	9,2	136	19,5
7x1,5*	0,26	0,7	1,2	11,1	199	13,3
7x4*	0,31	0,8	1,3	14,8	409	4,95
8x1,5*	0,26	0,7	1,2	11,8	222	13,3
10x1*	0,21	0,6	1,2	12,0	203	19,5
10x1,5*	0,26	0,7	1,3	14,2	287	13,3
12x1,5*	0,26	0,7	1,3	14,7	325	13,3
15x1,5*	0,26	0,7	1,3	16,2	402	13,3
16x1*	0,21	0,6	1,3	13,8	297	19,5
16x1,5*	0,26	0,7	1,3	16,2	415	13,3
19x1*	0,21	0,6	1,3	14,6	337	19,5
19x1,5*	0,26	0,7	1,3	17,1	473	13,3
24x1*	0,21	0,6	1,3	16,9	423	19,5
24x1,5*	0,26	0,7	1,5	20,4	611	13,3
H05VVH2-F, 05VVH2-F*						
2x0,75	0,21	0,6	0,8	3,9 x 6,2	39	26,0

Number and cross-sectional area of conductor	Maximum diameter of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n x mm²	mm	mm	mm	mm	kg/km	Ω/km
2x1	0,21	0,6	0,8	4,0 x 6,4	44	19,5
2x1,5*	0,26	0,8	0,8	4,7 x 7,8	63	13,3
2x2,5*	0,26	0,8	1,0	5,6 x 8,8	90	7,98

*based on norm

Current rating

Cross-section	Current ratings	
	Single phase	Three phase
mm²	A	A
0,5	3	3
0,75	6	6
1	10	10
1,5	16	16
2,5	25	20
4	32	25

These values apply to the majority of cases. Further information should be sought in unusual cases eg.:

- when high ambient temperatures are involved, ie. above 30°C
- where long lengths are used
- where ventilation is restricted

where the cords are used for other purposes, eg. internal wiring of apparatus.

The information contained in this document, including the tables and drawings, are provided for illustrative purposes only and not a commercial offer; nor may it constitute the basis for pursuing any claim against TELE-FONIKA KABLE SA. The suitability of any product including properties, should be made by a qualified person; having already gained the appropriate permissions and documentation, to ensure compliance with any applicable law or regulation.