

H05VV-F 300/500V

CPR Class **Eca**

DOP Number **005 2017**

◁HAR▷ **CE**

RoHS ✓



MULTISTANDARD
CABLES

CONTROL
CABLES

DATA
CABLES

ENERGY
CABLES

SPECIAL
CABLES

SHIELDED
CABLES

ARMoured
CABLES

UTILITIES

IMPIEGO APPROPRIATO / APPROPRIATE USE

Cavo per posa mobile. Utilizzato in luoghi domestici, uffici, applicazioni e apparecchi per servizio leggero. Adatti per alimentazione di energia elettrica nelle costruzioni ed altre opere di ingegneria civile.

Cable for mobile laying. To be used in domestic environment, offices, light service equipments. Suitable for conveying electrical signal inside constructions and other civil engineering buildings.

	CARATTERISTICHE/ CHARACTERISTICS	DESCRIZIONE/ DESCRIPTION	NORME/ REFERENCE
	Tipo di cavo <i>Type of cable</i>	H05VV-F	
	Tensione nominale <i>Nominal Voltage</i>	Uo/U 300/500 V	
1	Conduttore <i>Core</i>	Flessibile di rame rosso ricotto classe 5 <i>Class 5 flexible annealed red copper</i>	EN 60228
2	Isolamento <i>Insulation</i>	PVC tipo T12 special <i>PVC T12 special type</i>	EN 50363
3	Guaina <i>Sheath</i>	PVC tipo TM2 special, colore nero o bianco <i>PVC TM2 special type, black or white colour</i>	EN 50363
	Campo di temperatura <i>Temperature range</i>	Posa mobile: da -10°C a +60°C <i>Mobile laying: from -10°C to +60°C</i>	
	Temperatura massima di corto circuito <i>Maximum short circuit temperature</i>	150°C	
	Tensione di prova <i>Testing voltage</i>	4000V AC	
	Imballo <i>Package</i>	Matasse mt.100 in termoretraibile - Bobine <i>100 m thermo-shrinking material coils - Drums</i>	

NORME RIF. GENERALI / GENERAL REFERENCE

EN 50525-2-11; EN 50575:2014 + EN 50575/A1:2016

IDENTIFICAZIONE CONDUTTORI / CORE IDENTIFICATION

CEI UNEL 00722
HD 308

H05VV-F 300/500V

MULTISTANDARD
CABLES

Construction	Approximate conductor diameter	Insulation medium thickness	Max external diameter	Max electric resistance at 20°C	Approximate cable weight	Current carrying capacities in air 30°C
n x mm ²	mm	mm	mm	Ohm/km	kg/km	(A)
2 x 0.75	1.1	0.6	6.2	26	57	6
2 x 1	1.3	0.6	6.6	19.5	66	10
2 x 1.5	1.6	0.7	7.5	13.3	88	16
2 x 2.5	1.9	0.8	9.3	7.98	137	20
2 x 4	2.5	0.8	10.6	4.95	188	25

CONTROL
CABLES

Construction	Approximate conductor diameter	Insulation medium thickness	Max external diameter	Max electric resistance at 20°C	Approximate cable weight	Current carrying capacities in air 30°C
n x mm ²	mm	mm	mm	Ohm/km	kg/km	(A)
3 x 0.75	1.1	0.6	6.6	26	68	6
3 x 1	1.3	0.6	7.0	19.5	79	10
3 x 1.5	1.6	0.7	8.2	13.3	109	16
3 x 2.5	1.9	0.8	10.1	7.98	172	20
3 x 4	2.5	0.8	11.5	4.95	235	25

DATA
CABLES

Construction	Approximate conductor diameter	Insulation medium thickness	Max external diameter	Max electric resistance at 20°C	Approximate cable weight	Current carrying capacities in air 30°C
n x mm ²	mm	mm	mm	Ohm/km	kg/km	(A)
4 x 0.75	1.1	0.6	7.1	26	81	6
4 x 1	1.3	0.6	7.8	19.5	99	10
4 x 1.5	1.6	0.7	9.1	13.3	136	16
4 x 2.5	1.9	0.8	11.0	7.98	205	20
4 x 4	2.5	0.8	12.5	4.95	285	25

ENERGY
CABLES

Construction	Approximate conductor diameter	Insulation medium thickness	Max external diameter	Max electric resistance at 20°C	Approximate cable weight	Current carrying capacities in air 30°C
n x mm ²	mm	mm	mm	Ohm/km	kg/km	(A)
5 x 0.75	1.1	0.6	8.0	26	102	6
5 x 1	1.3	0.6	8.5	19.5	120	10
5 x 1.5	1.6	0.7	10.2	13.3	172	16
5 x 2.5	1.9	0.8	12.2	7.98	260	20
5 x 4	2.5	0.8	14.1	4.95	365	25

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