


Cable Type : SINGLE CORE PVC INSULATED CABLES HEAT RESISTANT (105 °C)



CERTIFICATE/APPROVAL



CABLE DESCRIPTION

CONSTRUCTION	
STANDARD	: TSE K 369
(1) CONDUCTOR	: Class 5 flexible copper conductor according to EN 60228
(2) INSULATION	: PVC (Polyvinyl Chloride) Type YI 8
CHARACTERISTICS	
OPERATING TEMPERATURE	: -5 °C / +105 °C
MAX. SHORT CIRCUIT TEMPERATURE	: 160 °C (max. 5 sec.)
NOMINAL VOLTAGE (U ₀ /U)	: 05 300/500 V 07 450/750 V
TEST VOLTAGE	: 05 2000 V 07 2500 V
MINIMUM BENDING RADIUS	: < 12: 5 x overall diameter > 12: 6 x overall diameter
FLAME RETARDANT IEC 60332-1-2	
	
APPLICATIONS	
Used for internal wiring of appliances as well as installation in an electrical conduit either on or under plaster where heat resistance and flexibility are required.	



CABLE DIAMETERS

NUMBER AND NOMINAL CROSS-SECTIONAL AREA OF CONDUCTORS	COPPER DIMENSION	THICKNESS OF INSULATION SPECIFIED VALUE	MEAN OVERALL DIMENSIONS		MAX. RESISTANCE at 20°C	MINIMUM INSULATION RESISTANCE AT RATED TEMPERATURE
			LOWER LIMIT ϕ	UPPER LIMIT ϕ		
mm ²	mm	mm	mm	mm	Ω /km	m Ω .km
05V2-K						
0,50	15 / 0,20	0,60	2,10	2,50	39,00	0,013
0,75	22 / 0,20	0,60	2,20	2,70	26,00	0,011
1	29 / 0,20	0,60	2,40	2,80	19,50	0,010
07V2-K						
1,5	27 / 0,25	0,70	2,80	3,40	13,30	0,010
2,5	45 / 0,25	0,80	3,40	4,10	7,98	0,0095
4	50 / 0,30	0,80	3,90	4,80	4,95	0,0078
6	75 / 0,30	0,80	4,40	5,30	3,30	0,0068
10	74 / 0,40	1,00	5,70	6,80	1,91	0,0065
16	116 / 0,40	1,00	6,70	8,10	1,21	0,0053
25	180 / 0,40	1,20	8,40	10,20	0,780	0,0050
35	250 / 0,40	1,20	9,70	11,70	0,554	0,0043

Due to variables in production, the information on this data sheet is approximate and subject to change without any notice.

