



Cable Type : PVC INSULATED, LOW VOLTAGE CONTROL CABLES



CERTIFICATE/APPROVAL



CABLE DESCRIPTION

CONSTRUCTION	
STANDARD	: IEC 60227-6
(1) CONDUCTOR	: Class 5 flexible copper conductor according to EN 60228
(2) INSULATION	: PVC (Polyvinyl Chloride)
(3) SHEATH	: PVC (Polyvinyl Chloride)
CHARACTERISTICS	
OPERATING TEMPERATURE	: -5°C / +70 °C
MAX. SHORT CIRCUIT TEMPERATURE	: 160 °C (max. 5 sec.)
NOMINAL VOLTAGE (U ₀ /U)	: 300 / 500 V ≤ 1 mm ² 450 / 750 V > 1 mm ²
TEST VOLTAGE	: 300 / 500 V 2000 V 450 / 750 V 2500 V
MINIMUM BENDING RADIUS	: 10 x D D: Cable Diameter
INSULATION COLOR	
6 core and above. Green/Yellow – (Black & White) numbered cores	
FLAME RETARDANT	
IEC 60332-1-2	
	
APPLICATIONS	
Used cable ducts and underground, interior and exterior applications that there are not much mechanical compulsion.	



CABLE DIAMETERS

NUMBER AND NOMINAL CROSS-SECTIONAL AREA OF CONDUCTORS	COPPER DIMENSION	THICKNESS OF INSULATION SPECIFIED VALUE	THICKNESS OF SHEATH SPECIFIED VALUE	AVARAGE OVERALL DIAMETER	MAX. RESISTANCE at 20°C
mm ²	mm	mm	mm	mm	Ω/km
7 x 0,75	22/0,20	0,60	0,90	8,70	26,00
7 x 1	29/0,20	0,60	1,00	9,35	19,50
7 x 1,5	27/0,25	0,70	1,10	10,75	13,30
7 x 2,5	45/0,25	0,80	1,20	12,75	7,98
8 x 0,75	22/0,20	0,60	0,90	9,74	26,00
8 x 1	29/0,20	0,60	1,00	10,45	19,50
8 x 1,5	27/0,25	0,70	1,20	12,23	13,30
9 x 0,75	22/0,20	0,60	1,20	11,14	26,00
9 x 1	29/0,20	0,60	1,20	11,71	19,50
9 x 1,5	27/0,25	0,70	1,30	13,43	13,30
10 x 0,75	22/0,20	0,60	1,20	11,60	26,00
10 x 1	29/0,20	0,60	1,20	12,20	19,50
10 x 1,5	27/0,25	0,70	1,40	14,20	13,30
12 x 0,75	22/0,20	0,60	1,20	11,97	26,00
12 x 1	29/0,20	0,60	1,20	12,59	19,50
12 x 1,5	27/0,25	0,70	1,40	14,66	13,30
12 x 2,5	45/0,25	0,80	1,40	17,15	7,98
14 x 1,5	27/0,25	0,70	1,40	15,37	13,30
16 x 1,5	27/0,25	0,70	1,40	16,20	13,30
18 x 0,75	22/0,20	0,60	1,40	14,30	26,00
18 x 1	29/0,20	0,60	1,40	15,05	19,50
18 x 1,5	27/0,25	0,70	1,40	17,05	13,30
25 x 0,75	22/0,20	0,60	1,40	16,31	26,00
25 x 1	29/0,20	0,60	1,60	17,58	19,50
25 x 1,5	27/0,25	0,70	1,60	19,88	13,30

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

