



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, T12 type (EN 50363-3)
Sheath	PVC compound, TM2 type (EN 50363-4-1)
Color	Light Grey

MAIN CHARACTERISTICS

Construction	CEI 20-20/5, CEI 20-11
General Requirements	IMQ-CPT-007, Based on EN 50525-1/2
Guide to Use	CEI 20-40/1, EN 50565-1/2
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	CEI 20-29, IEC 60228
Flame Retardant	CEI 20-22 II, IEC 60332-1

OPERATING CHARACTERISTICS

Rated Voltage	300/500 or 450/750 V (U ₀ /U)
AC Test Voltage	2 kV / 2,5 kV
Operating Temperature	(Without mechanical shocks)
<i>In Flexing Use</i>	-5°C to +70°C
<i>In Fixed Use</i>	-30°C to +70°C
Conductor Short-Circuit Temp.	160°C (Max. 5 sec)
Min. Installation Temp.	0°C
Min. Bending Radius	Based on EN 50565-1 Tab. 3
Current Carrying Capacities	CEI 20-21, Based on VDE 0298-4 Tab.11

APPLICATIONS

These cables are suitable for fixed laying and connection of movable appliances, and production lines in industries. They can be used in dry, damp and wet places inside and temporary outdoor.



300 / 500 V

Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
2x1	7,40	80	22	19,50
2x1,5	7,90	95	24	13,30
2x2,5	9,50	140	29	7,98
2x4	10,50	185	32	4,95
2x6	11,80	245	35	3,30
3x1	7,90	95	24	19,50
3x1,5	8,30	111	25	13,30
3x2,5	10,10	170	30	7,98
3x4	11,40	235	34	4,95
3x6	12,80	310	51	3,30
4x1	8,60	115	26	19,50
4x1,5	9,30	141	28	13,30
4x2,5	11,00	210	33	7,98
4x4	12,50	290	50	4,95
4x6	14,00	390	56	3,30
5x1	9,60	142	29	19,50
5x1,5	10,30	175	31	13,30
5x2,5	12,30	260	49	7,98
5x4	14,10	370	56	4,95
5x6	15,60	481	62	3,30

450 / 750 V

Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
7x1	9,50	152	29	19,50
7x1,5	11,20	205	34	13,30
10x1	12,40	250	50	19,50
10x1,5	14,30	321	57	13,30
12x1	12,80	275	51	19,50
12x1,5	14,90	356	60	13,30
16x1	14,40	355	58	19,50
16x1,5	16,70	452	67	13,30
19x1	15,30	405	61	19,50
19x1,5	17,80	520	71	13,30
24x1	18,00	550	72	19,50
24x1,5	20,90	700	84	13,30
27x1	18,60	595	74	19,50
27x1,5	21,50	751	86	13,30