



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, T12 type (EN 50363-3)
Separator	Polyester tape
Screen	Bare copper wire braiding (tinned on request)
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, connection of movable appliances, and production lines in industries. It's shielded for against electromagnetic disturbances.

They can be used in dry, damp and wet places inside and temporary outdoor.



ELECTROMAGNETIC
COMPATIBILITY



FLAME RETARDANT

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	8,10	130	24	19,50
2x1,5	8,60	150	26	13,30
2x2,5	10,20	215	31	7,98
2x4	11,20	275	34	4,95
2x6	12,50	350	50	3,30
3x1	8,60	156	26	19,50
3x1,5	9,00	180	27	13,30
3x2,5	10,80	261	32	7,98
3x4	12,10	345	48	4,95
3x6	13,70	465	55	3,30
4x1	9,30	190	28	19,50
4x1,5	10,00	225	30	13,30
4x2,5	11,70	320	35	7,98
4x4	13,20	430	53	4,95
4x6	14,90	575	60	3,30
5x1	10,30	230	31	19,50
5x1,5	11,00	270	33	13,30
5x2,5	13,00	385	52	7,98
5x4	15,00	536	60	4,95
5x6	16,50	680	66	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	10,20	250	31	19,50
7x1,5	11,90	340	36	13,30
7x2,5	14,40	516	58	7,98
10x1	13,30	400	53	19,50
10x1,5	15,20	530	61	13,30
10x2,5	18,10	770	72	7,98
12x1	13,70	445	55	19,50
12x1,5	15,80	595	63	13,30
12x2,5	18,90	870	76	7,98
16x1	15,30	560	61	19,50
16x1,5	17,60	750	70	13,30
16x2,5	21,00	1095	84	7,98
19x1	16,20	640	65	19,50
19x1,5	18,50	855	74	13,30
19x2,5	22,10	1256	88	7,98
24x1	18,90	840	76	19,50
24x1,5	21,80	1125	87	13,30
24x2,5	26,20	1691	105	7,98