



## CABLE STRUCTURE

<b>Conductor</b>	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
<b>Insulation</b>	PVC compound, T12 type (EN 50363-3)
<b>Sheath</b>	PVC compound, TM2 type (EN 50363-4-1)
<b>Color</b>	Black or White (Grey on request)

## MAIN CHARACTERISTICS

<b>Construction</b>	EN 50525-2-11
<b>General Requirements</b>	EN 50525-1, IEC 60227-5, EN 50575
<b>Guide to Use</b>	EN 50565-1/2
<b>Electrical Tests</b>	EN 50395
<b>Non - electrical Tests</b>	EN 50396
<b>Conductor Resistance</b>	IEC 60228, VDE 0295, BS 6360
<b>Flame Retardant</b>	IEC 60332-1-2

## OPERATING CHARACTERISTICS

<b>Rated Voltage</b>	300/500 V (U <sub>0</sub> /U)
<b>AC Test Voltage</b>	2 kV
<b>Working Temperature</b>	
<i>In Flexing Use</i>	-5°C to +70°C
<i>In Fixed Use</i>	-30°C to +70°C
<b>Conductor Short-Circuit Temp.</b>	150°C (Max. 5 sec)
<b>Min. Installation Temp.</b>	5°C
<b>Min. Bending Radius</b>	EN 50565-1 Tab. 3
<b>Current Carrying Capacities</b>	VDE 0298-4 Tab.11

## APPLICATIONS

They are mainly used in mobile equipments, household and portable appliances where there is low mechanical stress.



Cross Section (mm <sup>2</sup> )	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
2x0,75	6,20	54	31	26,00
2x1	6,60	64	33	19,50
2x1,5	7,40	82	37	13,30
2x2,5	8,80	122	44	7,98
2x4	10,00	168	50	4,95
2x6	11,20	223	56	3,30
2x10	15,20	397	91	1,91
3x0,50	6,40	59	32	39,00
3x0,75	6,60	66	33	26,00
3x1	7,00	77	35	19,50
3x1,5	8,30	109	42	13,30
3x2,5	9,60	155	48	7,98
3x4	10,80	213	54	4,95
3x6	12,10	285	73	3,30
3x10	17,20	558	103	1,91
3x16	19,10	760	115	1,21
3x25	23,30	334	140	0,780
3x35	27,20	403	163	0,554
3x16+10	20,40	887	122	1,21
3x25+16	25,40	1383	152	0,780
3x35+16	29,60	1827	178	0,554
3x50+25	34,80	2565	209	0,386
3x50+35	35,00	2625	210	0,386
3x70+35	38,40	3356	230	0,272
4x0,75	7,20	80	36	26,00
4x1	7,85	98	39	19,50
4x1,5	9,00	131	45	13,30
4x2,5	10,45	191	52	7,98
4x4	11,86	267	59	4,95
4x6	13,67	371	82	3,30
4x10	18,80	690	113	1,91
4x16	20,90	951	125	1,21

Cross Section (mm <sup>2</sup> )	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
4x25	25,60	1446	154	0,780
4x35	30,00	1950	180	0,554
5x0,75	8,10	98	41	26,00
5x1	8,60	116	43	19,50
5x1,5	10,10	161	51	13,30
5x2,5	11,70	233	59	7,98
5x4	13,50	333	81	4,95
5x6	15,00	444	90	3,30
5x10	20,60	288	124	1,91
5x16	22,90	334	137	1,21
5x25	28,20	465	169	0,780
5x35	33,10	565	199	0,554
6x1	9,50	143	48	19,50
6x1,5	11,00	193	55	13,30
6x2,5	12,60	276	76	7,98
7x1	9,50	149	48	19,50
7x1,5	11,00	201	55	13,30
7x2,5	12,80	298	77	7,98
7x4	14,50	419	87	4,95
7x6	16,30	570	98	3,30
8x1	11,10	197	56	19,50
8x1,5	12,70	263	76	13,30
9x1	12,20	231	73	19,50
10x0,75	11,40	183	57	26,00
10x1	12,40	225	74	19,50
10x1,5	14,30	302	86	13,30
12x1	12,80	256	77	19,50
12x1,5	14,70	344	88	13,30
14x1	13,50	292	81	19,50
14x1,5	15,40	390	92	13,30
16x1	14,20	331	85	19,50