



## 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>Core Identification</b>	JZ: Black cores with a green yellow core OZ: Black cores without a green yellow core
<b>Inner Sheath</b>	Extruded Special PVC compound
<b>Screen</b>	Tinned copper wire braiding
<b>Sheath</b>	PVC compound, TM2 type (EN 50363-4-1)
<b>Color</b>	Grey or Transparent

## MAIN CHARACTERISTICS

<b>Construction</b>	Based on EN 50525-2-11
<b>General Requirements</b>	EN 50525-1/2, VDE 0245-201, EN 50575
<b>Guide to Use</b>	EN 50565-1/2, TSE K 373
<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>	Based on EN 50565-1 Tab. 3
<b>Current Carrying Capacities</b>	Based on VDE 0298-4 Tab.11

## APPLICATIONS

These flexible cables are used as signal and control cables for machines, production lines, control systems, assembly lines, measuring systems and data processing where there is low mechanical stress exist. They can be used in dry, wet and damp places inside and also outdoor if protected from UV. It's shielded for against electromagnetic disturbances.



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)
2x0,50	7,00	68	35	39,00
2x0,75	7,40	80	37	26,00
2x1	8,00	90	40	19,50
2x1,5	8,50	115	43	13,30
2x2,5	9,90	130	50	7,98
2x4	11,10	110	56	4,95
3x0,50	7,20	70	36	39,00
3x0,75	8,00	95	40	26,00
3x1	8,20	105	41	19,50
3x1,5	8,90	130	45	13,30
3x2,5	10,50	180	53	7,98
3x4	12,20	250	73	4,95
3x6	14,10	340	85	3,30
3x10	17,50	605	105	1,91
4x0,50	8,00	90	40	39,00
4x0,75	8,40	110	42	26,00
4x1	8,70	125	44	19,50
4x1,5	9,70	155	49	13,30
4x2,5	10,40	220	52	7,98
4x4	13,20	315	79	4,95
4x6	15,80	455	95	3,30
4x10	18,70	705	112	1,91
4x16	21,80	1000	131	1,21
4x25	26,00	1480	156	0,780
4x35	26,00	1480	156	0,554
4x50	34,50	2700	207	0,386
4x70	40,50	3880	243	0,272
4x95	46,30	5070	278	0,206
4x120	51,60	6280	310	0,161
5x0,50	8,30	100	42	39,00
5x0,75	9,00	125	45	26,00
5x1	9,50	145	48	19,50
5x1,5	10,50	185	53	13,30

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)
5x2,5	12,80	280	77	7,98
5x4	14,50	385	87	4,95
5x6	17,10	555	103	3,30
5x10	20,70	875	124	1,91
5x16	23,80	1230	143	1,21
5x25	29,00	1930	174	0,780
5x35	33,00	2400	198	0,554
7x0,50	8,80	125	44	39,00
7x0,75	9,70	145	49	26,00
7x1	10,30	175	52	19,50
7x1,5	11,40	225	57	13,30
7x2,5	13,70	345	82	7,98
10x0,50	11,00	160	55	39,00
10x0,75	11,70	210	59	26,00
10x1	12,80	250	77	19,50
10x1,5	14,20	330	85	13,30
10x2,5	16,60	520	100	7,98
12x0,50	11,20	180	56	39,00
12x0,75	12,00	225	72	26,00
12x1	13,00	285	78	19,50
12x1,5	14,30	365	86	13,30
12x2,5	18,00	570	108	7,98
18x0,50	13,20	275	79	39,00
18x0,75	14,50	340	87	26,00
18x1	15,60	415	94	19,50
18x1,5	17,30	535	104	13,30
18x2,5	20,80	830	125	7,98
25x0,50	15,50	355	93	39,00
25x0,75	16,60	475	100	26,00
25x1	17,40	535	104	19,50
25x1,5	19,40	730	116	13,30
25x2,5	24,60	1150	148	7,98