



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, TI2 type (EN 50363)
Sheath	PVC compound, TM5 type (Oil Resistant and Flame Retardant, EN 50363-4-1)
Color	Grey

MAIN CHARACTERISTICS

Construction	EN 50525-2-51
General Requirements	EN 50525-1/2, EN 50575
Guide to Use	EN 50565-1/2
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295, BS 6360
Flame Retardant	IEC 60332-1-2
Oil Resistant	IEC 60811-404, VDE 0473-811-404

OPERATING CHARACTERISTICS

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

APPLICATIONS

These flexible cables are used as 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, oily and damp places inside and temporary outdoor. Also resistant for various chemicals.



FLAME RETARDANT



OIL RESISTANT

Cross Section (mm²)	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	5,60	43	28	39,00
2x0,75	6,20	55	31	26,00
2x1	6,60	64	33	19,50
2x1,5	7,40	84	37	13,30
2x2,5	9,10	130	46	7,98
3x0,50	6,00	51	30	39,00
3x0,75	6,60	66	33	26,00
3x1	7,00	77	35	19,50
3x1,5	8,10	105	41	13,30
3x2,5	9,90	162	50	7,98
4x0,50	6,70	65	34	39,00
4x0,75	7,20	81	36	26,00
4x1	7,70	95	39	19,50
4x1,5	8,80	130	44	13,30
4x2,5	10,80	200	54	7,98
5x0,50	7,30	79	37	39,00
5x0,75	7,90	97	40	26,00
5x1	8,40	115	42	19,50
5x1,5	9,70	157	49	13,30
5x2,5	11,90	243	60	7,98
6x0,50	8,10	96	41	39,00
6x0,75	8,70	119	44	26,00
6x1	9,50	145	48	19,50
6x1,5	10,90	197	55	13,30
6x2,5	13,10	295	79	7,98
7x0,50	8,90	115	45	39,00
7x0,75	9,70	147	49	26,00
7x1	10,40	173	52	19,50
7x1,5	12,10	241	73	13,30
7x2,5	14,50	359	87	7,98
12x0,50	11,00	168	55	39,00
12x0,75	11,80	210	59	26,00

Cross Section (mm²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
12x1	12,80	255	77	19,50
12x1,5	14,70	346	88	13,30
12x2,5	17,80	529	107	7,98
18x0,50	12,90	239	77	39,00
18x0,75	14,10	306	85	26,00
18x1	15,10	363	91	19,50
18x1,5	17,50	503	105	13,30
18x2,5	21,40	777	128	7,98
27x0,50	15,70	342	94	39,00
27x0,75	17,20	439	103	26,00
27x1	18,40	522	110	19,50
27x1,5	21,50	731	129	13,30
27x2,5	26,00	1123	156	7,98
36x0,50	17,70	449	106	39,00
36x0,75	19,30	577	116	26,00
36x1	20,90	697	125	19,50
36x1,5	24,30	972	146	13,30
36x2,5	29,50	1489	177	7,98
48x0,50	20,50	589	123	39,00
48x0,75	22,40	756	134	26,00
48x1	24,20	913	145	19,50
48x1,5	28,10	1269	169	13,30
48x2,5	33,70	1927	202	7,98
60x0,50	22,50	728	135	39,00
60x0,75	24,70	946	148	26,00
60x1	26,70	1142	160	19,50
60x1,5	30,90	1582	185	13,30
60x2,5	36,80	2366	221	7,98