



CABLE STRUCTURE

Conductor	Up to 25mm ² electrolytic annealed class 6 stranded copper wires, 25mm ² and above sections electrolytic annealed class 5 stranded copper wires. (tinned conductor on request)
Seperator	A suitable tape may be applied over the conductor
Insulation	3GI3 type cross-linked elastomeric compound (VDE 0207 - Part 20)
Outer Sheath	5GM3 type cross-linked elastomeric compound (VDE 0207 - Part 21)
Color	Black

MAIN CHARACTERISTICS

Construction	VDE 0250-809
General Requirements	VDE 0250-1
Guide to Use	VDE 0298-3, VDE 0298-4
Electrical Tests	VDE 0472-501, 503, 508
Non-electrical Tests	VDE 0472-401, 402, 602, 303, 615
Conductor Resistance	VDE 0295, IEC 60228
Flame Retardant	IEC 60332-1-2, VDE 0482-332-1-2
Oil Resistant	VDE 0473-811-404, EN 60811-404

OPERATING CHARACTERISTICS

Rated Voltage	300/500 V (U ₀ /U)
AC Test Voltage	2 kV
Operating Temperature	
<i>In Flexing Use</i>	-25°C to +60°C
<i>In Fixed Use</i>	-40°C to +90°C
Conductor Short-Circuit Temp.	250°C (Max. 5 sec)
Min. Installation Temp.	-25°C
Min. Bending Radius	VDE 0298-3 Tab.3
Current Carrying Capacities	VDE 0298-4 Tab.11 & Tab. 15

APPLICATIONS

Especially used for lifts, cranes, floor conveyor systems, elevators and festoon systems. Thanks to its flat structure, recommended for implementations where space is at a minimum and require smaller bending radius over that of round cables.



Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
3x1,5	6,00 x 12,30	126	18	13,30
3x2,5	7,80 x 14,40	181	23	7,98
3x4	8,60 x 18,00	290	34	4,95
3x6	9,40 x 19,20	350	38	3,30
3x10	10,60 x 27,00	619	42	1,91
3x16	12,40 x 27,00	797	62	1,21
3x25	14,00 x 36,70	1224	70	0,78
3x35	15,70 x 39,90	1610	79	0,554
3x50	18,00 x 46,20	2193	90	0,386
3x70	20,50 x 52,50	2998	103	0,272
3x95	23,30 x 60,10	3822	117	0,206
4x1,5	6,00 x 17,30	204	18	13,30
4x2,5	7,80 x 20,00	310	23	7,98
4x4	8,60 x 24,50	427	34	4,95
4x6	9,40 x 27,00	505	38	3,30
4x10	10,60 x 31,60	752	42	1,91
4x16	12,40 x 36,00	1018	62	1,21
4x25	14,00 x 45,00	1522	70	0,78
4x35	15,70 x 50,30	2196	79	0,554
4x50	18,00 x 57,50	2852	90	0,386
4x70	20,50 x 64,80	3872	103	0,272
4x95	23,30 x 74,60	4977	117	0,206
4x120	25,60 x 82,80	6197	128	0,161
5x1,5	6,00 x 21,40	267	18	13,30
5x2,5	7,80 x 24,40	378	23	7,98
5x4	8,60 x 29,50	505	34	4,95
5x6	9,40 x 34,00	652	38	3,30
5x10	10,60 x 40,50	904	42	1,91
5x16	12,40 x 47,00	1301	62	1,21
5x25	14,60 x 57,80	1993	70	0,78
5x35	15,70 x 61,30	2537	79	0,554
7x1,5	6,00 x 26,90	306	18	13,30

Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
7x2,5	7,80 x 32,10	493	23	7,98
7x4	8,60 x 38,80	691	34	4,95
7x6	9,40 x 45,80	870	38	3,30
7x10	10,60 x 53,10	1239	42	1,91
7x16	13,00 x 65,00	1950	65	1,21
7x25	15,20 x 77,00	2865	76	0,78
7x35	16,30 x 87,10	3647	82	0,554
8x1,5	6,00 x 31,00	378	18	13,30
8x2,5	7,80 x 37,50	492	23	7,98
10x1,5	6,60 x 39,20	504	20	13,30
10x2,5	8,40 x 47,60	719	34	7,98
12x1,5	6,60 x 47,50	624	20	13,30
12x2,5	8,40 x 54,20	849	34	7,98
16x1,5	6,60 x 62,40	812	20	13,30
16x2,5	8,40 x 71,80	1101	34	7,98
24x1,5	11,90 x 54,70	1366	48	13,30
24x2,5	15,00 x 65,00	2116	60	7,98