CABLE STRUCTURE

Conductor	Up to 25mm2 electrolytic anneleaed class 6-stranded copper wires, 25mm2 and above sections electrolytic anneleaed 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)
Screen	Tinned copper wire braiding (coverage min. %80)
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 Tempetature	
In Flexing Use	-25˚C to +60˚C
In Fixed Use	-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. Copper screens are efficient against electromagnetic effects caused by other 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	6,80 x 16,60	217	20	13,30
3x2,5	8,10 x 18,00	310	32	7,98
3x4	9,20 x 19,20	424	37	4,95
3x6	10,00 x 24,00	488	40	3,30
3x10	11,70 x 30,00	724	47	1,91
3x16	13,50 x 36,40	1122	68	1,21
3x25	15,00 x 41,10	1550	75	0,78
3x35	16,00 x 43,90	1867	80	0,554
3x50	19,50 x 50,20	2433	98	0,386
3x70	21,50 x 56,50	3261	108	0,272
3x95	24,10 x 64,10	4170	121	0,206
4x1,5	6,80 x 20,40	290	20	13,30
4x2,5	8,10 x 23,10	422	32	7,98
4x4	9,20 x 26,70	498	37	4,95
4x6	10,00 x 32,10	677	40	3,30
4x10	11,70 x 35,60	952	47	1,91
4x16	13,50 x 44,10	1341	68	1,21
4x25	15,00 x 54,00	2004	75	0,78
4x35	16,00 x 56,00	2470	80	0,554
4x50	19,50 x 63,50	3130	98	0,386
4x70	21,50 x 73,80	4588	108	0,272
4x95	24,10 x 79,20	5206	121	0,206
4x120	27,80 x 91,40	7246	139	0,161
5x1,5	6,80 x 27,20	357	20	13,30
5x2,5	8,10 x 31,30	503	32	7,98
5x4	9,20 x 35,80	700	37	4,95
5x6	10,00 x 41,00	3698	40	3,30
5x10	11,70 x 46,30	1211	47	1,91
5x16	13,50 x 52,00	1616	68	1,21
5x25	15,60 x 62,10	2365	75	0,78
5x35	16,00 x 67,10	2881	80	0,554
7x1,5	6,80 x 32,10	501	20	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	8,10 x 40,10	646	32	7,98
7x4	9,20 x 46,50	902	37	4,95
7x6	10,00 x 52,00	1223	40	3,30
7x10	11,70 x 58,60	1501	47	1,91
7x16	14,10 x 68,30	2184	71	1,21
7x25	15,60 x 89,00	3381	78	0,78
7x35	16,60 x 95,00	4236	83	0,554
8x1,5	6,80 x 38,70	571	20	13,30
8x2,5	8,10 x 47,80	772	32	7,98
10x1,5	7,40 x 48,90	742	22	13,30
10x2,5	8,70 x 58,60	910	35	7,98
12x1,5	7,40 x 53,00	870	22	13,30
12x2,5	8,70 x 68,50	1098	35	7,98
16x1,5	7,40 x 69,00	1027	22	13,30
16x2,5	8,70 x 79,60	1455	35	7,98
24x1,5	12,60 x 67,60	1514	63	13,30
24x2,5	15,00 x 76,00	2075	75	7,98