



CABLE STRUCTURE

Conductor	Up to 25mm ² class 6 copper wires, 25mm ² and above sections class 5 wires. (tinned conductor on request)
Separator	A suitable tape may be applied over the conductor
Insulation	3GI3 type rubber compound
Core Identification	Acc. to VDE0293-308
Sheath	5GM3 type elastomer compound
Color	Black (other colors on request)

STANDARDS & MAIN CHARACTERISTICS

Construction	DIN VDE 0250-809
General Requirements	DIN VDE 0250-1
Guide to Use	DIN VDE 0298-3
Electrical Tests	DIN VDE 0472-501, 503, 508
Non-Electrical Tests	DIN VDE 0472-401, 402, 602, 303, 615
Under Fire Conditions Tests	DIN VDE 0472-803, 804
Flame Retardant	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1
Oil Resistant	HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

OPERATING CHARACTERISTICS

Rated Voltage	300 / 500 V, (0,6 / 1 kV)
Max. Operating AC Voltage	0,7 / 1.2 kV
Max. Operating DC Voltage	0,9 / 1.8 kV
AC Test Voltage	3,5 kV
Conductor Operating Temperature	Max. 90°C
Conductor Short-Circuit Temperature	Max. 250°C
Working Temperature	
Fixed	-50°C ... +90°C
Mobile	-35°C ... +90°C
Min Bending Radius	VDE 0298-3 Tab. 3
Current Carrying Capacities	VDE 0298-4
Travel Speed	
In festoon systems	180 m / min
Gantry (reeling operation)	No application
Max. tensile load of cable	15 N / mm ² for static 30 N / mm ² for dynamic

Application

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.



Ozone Resistant



Cold Resistant



Tear Resistant



UV Resistant



Ex-Proof

Cross Section (mm ²)	Overall Diameter Min. - Max. (mm)	Approximate Weight (kg / km)
4 x 1,5	5,6 x 15,8 - 6,4 x 17,5	220
5 x 1,5	5,6 x 19,8 - 6,4 x 21,5	280
7 x 1,5	5,6 x 26,1 - 6,4 x 29,1	380
8 x 1,5	5,6 x 29,3 - 6,4 x 32,0	420
10 x 1,5	6,0 x 38,5 - 7,0 x 41,5	580
12 x 1,5	6,0 x 44,5 - 7,0 x 48,5	690
24 x 1,5	11,5 x 51,0 - 13,0 x 55,0	1330
4 x 2,5	7,0 x 19,2- 8,2 x 21,2	350
5 x 2,5	7,0 x 23,7- 8,2 x 25,7	430
7 x 2,5	7,0 x 31,0 - 8,2 x 34,0	560
8 x 2,5	7,0 x 35,5 - 8,2 x 38,5	630
12 x 2,5	7,6 x 52,8 - 8,8 x 56,8	1020
24 x 2,5	15,0 x 67,0 - 17,0 x 72,5	2300
4 x 4	8,2 x 22,7 - 9,6 x 25,0	490
5 x 4	8,2 x 28,2 - 9,6 x 31,4	630
7 x 4	8,2 x 37,8 - 9,6 x 40,8	830
4 x 6	8,7 x 24,5 - 10,3 x 27,1	600
5 x 6	8,7 x 31,5 - 10,3 x 34,5	780
7 x 6	8,7 x 41,5 - 10,3 x 44,5	1010
4 x 10	10,1 x 30,6 - 11,2 x 33,4	840
5 x 10	10,1 x 38,0 - 11,2 x 41,5	1060
4 x 16	11,8 x 35,5 - 13,1 x 38,8	1210
5 x 16	11,8 x 44,0 - 13,1 x 47,6	1540
7 x 16	12,4 x 60,0 - 13,7 x 64,4	2140
4 x 25	13,7 x 44,8 - 15,0 x 48,1	1650
5 x 25	14,2 x 54,0 - 15,5 x 58,6	2160
4 x 35	15,7 x 50,3 - 17,0 x 53,3	2200
4 x 50	18,0 x 57,5 - 19,6 x 61,5	3000
4 x 70	21,0 x 65,8 - 22,6 x 70,5	4250
4 x 95	23,6 x 74,0 - 25,2 x 78,7	5300
4 x 120	26,0 x 82,1 - 27,6 x 86,7	6500
4 x 185	26,2 x 110,0 - 29,0 x 122,0	9795