



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (plain conductor on request)
Separator	A suitable tape may be applied over the conductor
Insulation	3GI3 Type elastomer compound
Core Identification	Acc. to VDE 0293-308
Separator	A suitable tape may be applied over the laid-up
Inner Sheath	GM1b type elastomer compound
Outer Sheath	5GM3 type elastomer compound
Color	Black (other colors on request)

STANDARDS & MAIN CHARACTERISTICS

Construction	DIN VDE 0250-814
General Requirements	DIN VDE 0250-1
Guide to Use	DIN VDE 0298-3
Electrical Tests	DIN VDE 0472-501, 502, 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, EC 60332-1
Oil Resistant	HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

OPERATING CHARACTERISTICS

Rated Voltage	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	-40°C ... +80°C
Mobile	-25°C ... +80°C
Min Bending Radius	VDE 0298-3 Tab. 3
Current Carrying Capacities	VDE 0298-4
Travel Speed	
In festoon systems	up to 240 m/min
In reeling applications	60 m / min. horizontal
Max. tensile load of cable	15 N / mm ²

Application

As flexible low voltage power and control cable and in all chain systems and festoon systems for connection and control cable in lifting devices, material handling equipment, hoisting plants and transporting machines for heavy mechanical load, in dry, damp or wet rooms and in wet industrial conditions. Suitable for application under high mechanical stresses and frequent bending during operation.



Ozone Resistant



Cold Resistant



Tear Resistant



Mechanical Stresses Resistance



Uv Resistant



Ex-Proof

Cross Section (mm ²)	Overall Diameter Min. - Max. (mm)	Approximate Weight (kg / km)
1 x 35	12,3 - 13,9	430
1 x 50	15,0 - 16,6	625
1 x 70	16,5 - 18,5	835
1 x 95	18,9 - 20,9	1070
1 x 120	20,8 - 22,8	1340
1 x 150	22,9 - 24,9	1650
1 x 185	24,8 - 27,8	2010
3 x 35 + 3 x 16 / 3	27,7 - 30,7	1800
3 x 50 + 3 x 25 / 3	32,5 - 35,5	2540
3 x 70 + 3 x 35 / 3	39,1 - 42,1	3570
4 x 2,5	11,8 - 13,4	270
4 x 4	13,9 - 15,5	350
4 x 6	15,9 - 17,9	475
4 x 10	18,2 - 20,2	680
4 x 16	22,9 - 24,9	1070
4 x 25	26,9 - 29,9	1600
4 x 35	30,1 - 33,1	2090
4 x 50	35,7 - 38,7	2970
5 x 4	15,7 - 17,7	450
5 x 6	17,5 - 19,5	575
5 x 10	20,8 - 22,8	865
5 x 16	24,6 - 27,6	1300
5 x 25	29,5 - 32,5	1940
12 x 1,5	16,0 - 18,4	440
18 x 1,5	18,7 - 20,7	650
24 x 1,5	22,1 - 24,1	805
30 x 1,5	23,3 - 25,3	930
36 x 1,5	24,6 - 27,6	1090
7 x 2,5	15,3 - 17,4	450
12 x 2,5	18,0 - 20,0	610
18 x 2,5	21,5 - 23,5	865
24 x 2,5	24,0 - 27,0	1110
30 x 2,5	26,4 - 29,4	1200
36 x 2,5	28,7 - 31,7	1550