CABLE STRUCTURE

Conductor	Electrolytic, stranded, plain copper wire DIN VDE 0295 Class 5
Insulation	All cores are insulated with 3GI3 compound
Lay Up	All cores are laid up in contact with each other and intersititial ground cores.
Inner Sheath	Special extruded elastomeric compound
Outer Sheath	Heavy-duty elastomer outer sheath 5GM5. Yellow or black.

PRODUCTION AND TEST STANDARDS

Construction	DIN VDE 0250-812
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	0,6 / 1 kV
Max. Permissible Operating Voltage AC	0,7 / 1,2 kV
Max. Permissible Operating Voltage DC	0,9 / 1,8 kV
AC Test Voltage	3 kV
Min Bending Radius	Acc. to DIN VDE 0298 part 3
Current Carrying Capacity	According to DIN VDE 0298, Part 4
Working Temperature	
Fixed	-40°C ... +80°C
Mobile	-25°C ... +80°C
Max. Tensile Load of cable	15 N / mm²

Application
For use in open-cast mining and quarries and similar plants. Also suitable for laying alongside conveyor belts, on material handling equipment, it can be used for tunneling sites and similar applications.

Ozone Resistant · Cold Resistant · Tear Resistant · Uv Resistant · Weather Resistant · Moisture Resistant · Ex-Proof

Cross Section (mm^2)	Overall Diameter Min - Max (mm)	Approximate weight (kg / km)
3 x 1.5	9.7 - 10.3	145
3 x 2.5	11.2 - 12.8	220
3 x 4	12.5 - 14.1	300
3 x 6	13.2 - 15.0	380
3 x 10	16.6 - 18.6	590
3 x 16	19.5 - 21.0	797
3 x 25	22.9 - 24.9	1206
3 x 35	24.9 - 27.9	1670
3 x 50	29.4 - 33.0	2195
3 x 70	34.8 - 37.8	3124
3x95	40.9 - 43.9	4100
3x120	43.4 - 47.7	4730
3x150	47.8 - 54.0	5916
3x185	53.1 - 58.6	7270
4x1.5	10.5 - 12.6	200
4x2.5	12.0 - 13.7	260
4x4	13.5 - 15.1	360
4x6	15.7 - 17.7	458
4x10	17.4 - 20.2	670
4 x 16	21.4 - 23.1	1038
4 x 25	24.5 - 28.1	1576
4 x 35	28.4 - 31.4	1978
4 x 50	33.6 - 36.6	2765
4 x 70	38.8 - 42.5	3930
4 x 95	44.8 - 47.8	5165
4 x 120	50.0 - 53.9	6200

Cross Section (mm²)	Overall Diameter Min - Max (mm)	Approximate weight (kg / km)
4 x 150	55.0 - 58.9	7537
4 x 185	59.0 - 63.3	9420
5 x 1.5	11.4 - 13.5	234
5 x 2.5	12.9 - 14.6	318
5 x 4	14.7 - 16.7	434
5 x 6	16.1 - 18.6	594
5 x 10	19.0 - 22.0	820
5 x 16	23.2 - 25.2	1285
5 x 25	28.0 - 31.0	1864
5 x 35	34.0 - 37.5	2675
7 x 1,5	12.9 - 14.5	300
7 x 2,5	14.9 - 17.4	458
12 x 1.5	15.8 - 17.8	420
12 x 2.5	17.3 - 19.6	580
18 x 1.5	18.5 - 20.5	610
18 x 2.5	21.2 - 23.4	900
24 x 1.5	20.9 - 23.1	760
24 x 2.5	22.8 - 24.8	1140
3 x 50/25	29.0 - 33.5	2510
3 x 70/35	34.8 - 37.8	3500
3 x 95/50	44.0 - 49.0	4300
3 x 120/70	44.7 - 47.7	5470
3 x 150/70	49.5 - 54.8	7000
3 x 185/95	54.5 - 58.5	8300
3 x 240/120	60.9 - 66.2	10500