



CABLE STRUCTURE

Conductor	Electrolytic, stranded, tinned copper wire DIN VDE 0295 Class 5
Insulation	All cores are insulated with 3G13 compound
Lay Up	Three power cores laid up with the protective earth conductors split into three in the outer interstices
Screen	Concentric tinned copper wire braiding
Inner Sheath	Special extruded elastomeric compound GM1b
Outer Sheath	Heavy-duty elastomer outer sheath 5GM5. Yellow or black

PRODUCTION AND TEST STANDARDS

Construction	DIN VDE 0250-811
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/mm ²
Max. Torsion	25°/m

Application

The cables are suitable for fixed installation and flexible operation as motor power supply cables for frequency converter controlled drives in the mining and tunneling



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 16 + 3 x 2.5	24.4 - 27.4	1200
3 x 25 + 3 x 4	28.2 - 31.2	1700
3 x 35 + 3 x 16/3	30.5 - 33.5	2200
3 x 50 + 3 x 25/3	36.0 - 39.0	2800
3 x 70 + 3 x 35/3	41.2 - 44.2	3850
3 x 95 + 3 x 50/3	45.7 - 48.7	4650
3 x 120 + 3x70/3	48.7 - 52.7	5800
3 x 150 + 3x70/3	55.7 - 59.7	7150
3 x 185 + 3x95/3	60.4 - 64.4	8500
3 x 240 + 3x120/3	68.2 - 72.2	10100