



## CABLE STRUCTURE

<b>Conductor</b>	Electrolytic, stranded, tinned copper wire DIN VDE 0295 Class 5
<b>Insulation</b>	All cores are insulated with 3GI3 compound (acc. to DIN VDE 0207 part 20).
<b>Lay Up</b>	All cores are laid up in contact with each other and interstitial ground cores.
<b>Inner Sheath</b>	Special elastomeric compound GM1b (acc. to DIN VDE 0207 Teil 21)
<b>Outer Sheath</b>	Heavy duty elastomer outer sheath 5GM5 (acc. to DIN VDE 0207 Teil 21) Yellow or black

## PRODUCTION AND TEST STANDARDS

<b>Construction</b>	DIN VDE 0250-813
<b>General Requirements</b>	DIN VDE 0250-1
<b>Guide to Use</b>	DIN VDE 0298-3
<b>Electrical Tests</b>	DIN VDE 0472-501, 503, 508
<b>Non-Electrical Tests</b>	DIN VDE 0472-401, 402, 602, 303, 615
<b>Under Fire Conditions Tests</b>	DIN VDE 0472-803, 804
<b>Flame Retardant</b>	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1
<b>Oil Resistant</b>	HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

## OPERATING CHARACTERISTICS

<b>Rated Voltage</b>	0,6 / 1 kV
<b>Ac Test Voltage</b>	3 kV
<b>Operating Temperature</b>	Max. 90°C
<b>Short-Circuit Temperature</b>	Max. 250°C
<b>Working Temperature:</b>	
Fixed	-40°C ... +80°C
Mobile	-25°C ... +80°C
<b>Min Bending Radius</b>	VDE 0298-3 Tab. 3
<b>Current Carrying Capacities</b>	VDE 0298-4

### Application

Used in dry, damp and wet places where there are mechanical effects, in mines, in trolley, systems, in cranes, in tunnelling applications as trailing and cable power supply



Cross Section (mm <sup>2</sup> )	Overall Diameter Min - Max (mm)	Approximate weight (kg / km)
3 x 25 + 3 x 25/3	40.0 - 44.0	2470
3 x 35 + 3 x 25/3	44.4 - 48.4	3150
3 x 50 + 3 x 25/3	47.7 - 51.7	3750
3 x 70 + 3 x 35/3	52.3 - 56.3	4690
3 x 95 + 3 x 50/3	59.9 - 63.9	6210
3 x 120 + 3 x 70/3	63.8 - 67.8	7430
3 x 150 + 3 x 70/3	69.2 - 73.2	8900
3 x 185 + 3 x 95/3	73.1 - 77.1	10330