



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain or tinned copper wires depends on request
Seperator	A suitable tape may be applied over the conductor
Insulation	EI4 type cross-linked elastomeric compound, EPR (EN 50363-1)
Inner Sheath	EM2 or EM3 type cross-linked elastomeric compound (EN 50363-2-1) If outer sheath thickness is greater than 2,4 mm
Outer Sheath	Special water resistant elastomeric compound (Based on EN 50363-2-1)
Color	Black (other colors available on request)

MAIN CHARACTERISTICS

Construction	Based on EN 50525-2-21, VDE 0285-2-21, IEC 60245-4
General Requirements	EN 50525-1, VDE 0285-525-1, IEC 60245-1
Guide to Use	EN 50565-1/2, VDE 0298-565-1
Electrical Tests	EN 50395, IEC 60245-2
Non-electrical Tests	EN 50396, IEC 60245-2
Conductor Resistance	IEC 60228, VDE 0295
Flame Retardant	IEC 60332-1-2, VDE 0482-332-1-2
Oil Resistant	EN 60811-404, VDE 0473-811-404
Ozone Resistant	EN 60811-403
Water Resistant (AD 8)	EN 50525-2-21, NF C15-100, EN 60529

OPERATING CHARACTERISTICS

Rated Voltage	450/750 V (U _o /U)
AC Test Voltage	2,5 kV
Operating Temperature	
<i>In Flexing Use</i>	-25°C to +60°C
<i>In Fixed Use</i>	-40°C to +90°C
Conductor Short-Circuit Temp.	200°C (Max. 5 sec.)
Min. Installation Temp.	-25°C
Min. Bending Radius	Based on EN 50565-1 Tab. 3
Current Carrying Capacities	Based on VDE 0298-4 Tab.13, IEC 60364-5-52 Tab. B.52.12 & Tab. C.52.1

APPLICATIONS

These rubber sheathed flexible cables are used as power and control cables in submersible pumps, agricultural and industrial workshops. This cable comply with AD8 classification and they are suitable for permanently submersion in water, 200 mt depth (20 bars) with maximum water temperature up to +40°C. Due to it's construction it can be used indoor, outdoor, wet, oily, damp places and explosion hazard areas.



Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
3x1,5	10,80	163	43	13,30
4G2,5	17,30	405	87	7,98
4G4	19,50	565	98	4,95
4G6	21,00	752	126	3,30
4G10	22,50	833	135	1,91
4G16	26,00	1160	156	1,21
3x35+16+3x1,5	39,00	2522	195	0,57
4G1,5+3x1,5	16,50	380	83	13,30
4G2,5+3x1,5	20,00	543	120	7,98
4G6+2x1,5	22,00	763	132	3,30
4G10+3x1,5	23,00	865	138	1,91
7G2,5+3x1,5	22,00	678	132	7,98
7G4+3x1,5	26,00	1077	156	4,95
7G6+3x1,5	26,00	1154	156	3,30
7G25+3x1,5	38,00	2770	228	0,80