



### CABLE STRUCTURE

<b>Conductor</b>	Electrolytic annealed, class 5 stranded tinned copper wires
<b>Separator</b>	A suitable tape may be applied over the conductor
<b>Insulation</b>	EI4 type cross-linked elastomeric compound, EPR (EN 50363-1)
<b>Sheath</b>	EM7 type cross-linked elastomeric compound (EN 50363-2-1)
<b>Color</b>	Black

### MAIN CHARACTERISTICS

<b>Construction</b>	Based on EN 50525-2-21, IEC 60502-1, BS 7655-1.2, IEC 60245-4
<b>General Requirements</b>	EN 50363-2-1
<b>Guide to Use</b>	EN 50565-1/2, VDE 0298-565-1
<b>Electrical Tests</b>	EN 50395, IEC 60245-2
<b>Non-electrical Tests</b>	EN 50396, IEC 60245-2
<b>Conductor Resistance</b>	IEC 60228, VDE 0295
<b>Flame Retardant</b>	IEC 60332-1-2, VDE 0482-332-1-2
<b>Oil Resistant</b>	VDE 0473-811-404, EN 60811-404

### OPERATING CHARACTERISTICS

<b>Rated Voltage</b>	600/1000 V (U <sub>0</sub> /U)
<b>AC Test Voltage</b>	4 kV
<b>Operating Temperature</b>	-40°C to +90°C
<b>Conductor Short-Circuit Temp.</b>	250°C (Max. 5 sec.)
<b>Min. Installation Temp.</b>	-25°C
<b>Min. Bending Radius</b>	Based on EN 50565-1 Tab. 3
<b>Current Carrying Capacities</b>	VDE 0298-4 Tab.13 , IEC 60364-5-52 Tab. B.52.12 & Tab. C.52.1

### APPLICATIONS

These rubber sheathed single core cables are used as Anode and DC feeder cable in cathodic protection systems for buried structures. Main areas that used are; pipelines, storage tanks, wells, metal structures and vessels. Due to its characteristics it can be used in wet, oily and damp places. They are resistant to chemicals, moisture, water and corrosive gases.



FLAME RETARDANT



OIL RESISTANT



UV RESISTANT



HEAT RESISTANT

Cross Section (mm <sup>2</sup> )	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
1x10	11,50	215	1,95	35
1x16	13,00	296	1,24	52
1x25	15,60	429	0,795	62
1x35	16,50	531	0,565	66
1x50	17,80	674	0,393	71
1x70	19,70	880	0,277	79
1x95	22,10	1130	0,21	88