



CABLE STRUCTURE

Conductor	Electrolytic annealed, Class 5 or Class 6 stranded plain copper wires (tinned conductor on request)
Insulation	XLPE compound (Cross-linked polyethylene), 2XII type (VDE 0276-604, IEC 60502-1) Black cores number coded with a green yellow core
Seperator	Textile tape
Suspension Support	Galvanized steel wire ropes at both sides
Sheath	Special PVC compound
Color	Black or Yellow

MAIN CHARACTERISTICS

Construction	Based on EN 50525-2-11, Based on. VDE 0250, VDE 0295
General Requirements	EN 50525-1
Guide to Use	EN 50565-1/2
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295, BS 6360
Flame Retardant	IEC 60332-1-2
Oil Resistant	IEC 60811-404, VDE 0473-811-404

OPERATING CHARACTERISTICS

Rated Voltage	300/500 V (U ₀ /U)
AC Test Voltage	2 kV
Operating Temperature	
<i>In Flexing Use</i>	-25°C to +90°C
<i>In Fixed Use</i>	-40°C to +90°C
Conductor Short-Circuit Temp.	250°C (Max. 5 sec)
Min. Installation Temp.	-5°C
Min. Bending Radius	
<i>Flexible Use</i>	10 x Outer Diameter
<i>Fixed Installation</i>	4 x Outer Diameter
Max. Suspended Height	80m
Current Carrying Capacities	Based on. VDE 0298-4 Tab.11

APPLICATIONS

These pendant cables are used as control or feeder cables in lifts and hoists. The two steel load bearing elements can be detached without damaging the outer sheath and fixed independently from the cable gland. The cable offers high flexibility at lower temperatures due to the quality of material used in the construction. The two special torsion-free steel supporting elements found parallel on both sides of the outer jacket are. These cables are not suitable for drum reeling installations.



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)
5x1,5	10,50 x 20,00	255	105	1,91
6x1,5	11,20 x 21,00	275	112	1,21
8x1,5	13,50 x 22,50	335	135	0,780
10x1,5	14,50 x 23,00	380	145	0,554
12x1,5	15,00 x 23,50	415	150	0,386
14x1,5	15,50 x 24,50	455	155	0,272
16x1,5	16,00 x 25,00	495	160	0,206
20x1,5	17,50 x 27,50	610	175	0,161
24x1,5	19,50 x 29,50	645	195	0,129