



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded tinned copper wires with steel supporting elements in the center of conductor
Seperator	A suitable tape may be applied over the conductor
Insulation	3GI3 type cross-linked elastomeric compound (VDE 0207 - Part 20)
Inner Sheath	GM1b type cross-linked elastomeric compound (VDE 0207 - Part 21)
Reinforcement	Antitorsion textile braided embedded sheath
Outer Sheath	5GM3 type cross-linked elastomeric compound (VDE 0207 - Part 21)
Color	Black

MAIN CHARACTERISTICS

Construction	Based on VDE 0250-814, TSE K 371
General Requirements	VDE 0250-1
Guide to Use	VDE 0298-3, VDE 0298-4
Electrical Tests	VDE 0472-501, 502, 503, 508
Non-electrical Tests	VDE 0472-401, 402, 602, 303, 615
Conductor Resistance	VDE 0295, IEC 60228
Flame Retardant	IEC 60332-1-2, VDE 0482-332-1-2
Oil Resistant	VDE 0473-811-404, EN 60811-404

OPERATING CHARACTERISTICS

Rated Voltage	600 / 1000 V (U_0/U)
AC Test Voltage	3,5 kV
Operating Temperature	
<i>In Flexing Use</i>	-25°C to +80°C
<i>In Fixed Use</i>	-40°C to +80°C
Max. Conductor Operating Temp.	90°C
Conductor Short-Circuit Temp.	250°C
Min. Installation Temp.	-15°C
Min. Bending Radius	VDE 0298-3, Tab. 3
Current Carrying Capacities	VDE 0298-4 Tab.11

APPLICATIONS

As power cable for polip or peel grap applications and reeling cable for winding operation with tensile stress and/or torsional stress and for connection and control cable in lifting devices, hoisting plants and transporting machines for heavy mechanical load and as drum and drag cable in dry, damp or wet rooms and wet industrial conditions.



MECHANICAL STRESSES RESISTANT



OIL RESISTANT



STEEL SUPPORTING ELEMENTS



TEAR RESISTANT



TEXTILE BRAIDING



UV RESISTANT



WEATHER RESISTANT

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)
3x10	23,00	905	115	1,95
3x16	24,50	1160	123	1,24
4x10	25,80	1104	129	1,95
4x16	31,50	1665	158	1,24