



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, TI2 type (EN 50363-3) Black cores number coded with a green-yellow core
Seperator	Polyester tape or textile tape
Screen	Tinned copper wire braiding
Outer Sheath	Thermoplastic polyurethane TMPU (EN 50363-10-2)
Color	Grey, Orange or Black Other colors on request

MAIN CHARACTERISTICS

Construction	Based on EN 50525-2-21, VDE 0285, VDE 0250
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
Oil Resistant	IEC 60811-404, VDE 0473-811-404

OPERATING CHARACTERISTICS

Rated Voltage	300 /500 V (U_0/U)
AC Test Voltage	2 kV
Working Tempetature	
<i>In Flexing Use</i>	-5°C to +70°C
<i>In Fixed Use</i>	-40°C to +80°C
Conductor Short-Circuit Temp.	160°C (Max. 5 sec)
Min. Installation Temp.	-40°C
Min. Bending Radius	
<i>Flexible Use</i>	12,5 x Outer Diameter
<i>Fixed Installation</i>	5 x Outer Diameter
Current Carrying Capacities	Based on VDE 0298-4 Tab.11 and Tab.13

APPLICATIONS

These polyurethane sheathed cables are used in electrical tools, mobile equipments, machines, production lines, industrial machinery and movable appliances which work under normal mechanical stress. This cable is also very suitable for oily wet areas within production lines and agricultural equipments and machineries. Thanks to it's characteristics they have high resistance to abrasion and tear.



ELECTROMAGNETIC
COMPATIBILITY



MECHANICAL
STRESSES RESISTANT



CHEMICAL RESISTANT



OIL RESISTANT



TEAR RESISTANT



UV RESISTANT



WEATHER RESISTANT



HIGH ABRASION
RESISTANCE

Cross Section (mm²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
2x0,50	5,90	32	30	39,00
2x0,75	6,30	38	32	26,00
2x1	6,70	45	34	19,50
2x1,5	7,30	56	37	13,30
3x0,50	6,20	40	31	39,00
3x0,75	6,70	50	34	26,00
3x1	7,10	58	36	19,50
3x1,5	7,70	74	39	13,30
4x0,50	6,70	48	34	39,00
4x0,75	7,10	60	36	26,00
4x1	7,60	71	38	19,50
4x1,5	8,60	96	43	13,30
5x0,50	7,20	58	36	39,00
5x0,75	7,70	74	39	26,00
5x1	8,50	92	43	19,50
5x1,5	9,30	120	47	13,30
7x0,50	7,60	71	38	39,00
7x0,75	8,40	95	42	26,00
7x1	9,00	115	45	19,50
7x1,5	10,00	150	50	13,30
12x0,50	9,80	116	49	39,00
12x0,75	10,70	151	54	26,00
12x1	11,70	187	59	19,50
12x1,5	13,00	250	65	13,30
18x0,50	11,40	170	57	39,00
18x0,75	12,40	222	62	26,00
18x1	13,70	275	69	19,50
18x1,5	15,20	370	76	13,30
21x0,50	12,00	190	60	39,00
21x0,75	13,20	250	66	26,00
21x1	14,40	310	72	19,50
21x1,5	16,00	415	80	13,30
25x0,50	13,70	230	69	39,00
25x0,75	15,00	305	75	26,00
25x1	16,40	377	82	19,50
25x1,5	18,20	505	91	13,30