



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, T12 type (EN 50363-3) Black cores number coded with a green yellow core
Sheath	Thermoplastic polyurethane TMPU (EN 50363-10-2)
Color	Orange or Grey or Black other colors on request

MAIN CHARACTERISTICS

Construction	Based on EN 50525-2-21, VDE 0285, VOE 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
Operating Temperature	
<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>	10 x Outer Diameter
<i>Fixed Installation</i>	4 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 its characteristics they have high resistance to abrasion and tear.



Cross Section (mm ²)	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	5,00	26	20	39,00
2x0,75	5,60	35	22	26,00
2x1	6,00	41	24	19,50
2x1,5	6,60	52	26	13,30
3x0,50	5,30	35	21	39,00
3x0,75	6,00	45	24	26,00
3x1	6,40	54	26	19,50
3x1,5	7,00	70	28	13,30
4x0,50	6,00	44	24	39,00
4x0,75	6,40	56	26	26,00
4x1	6,90	67	28	19,50
4x1,5	7,70	88	31	13,30
5x0,50	6,50	54	26	39,00
5x0,75	7,00	69	28	26,00
5x1	7,60	84	30	19,50
5x1,5	8,60	114	34	13,30
7x0,50	6,90	67	28	39,00
7x0,75	7,50	87	30	26,00
7x1	8,30	109	33	19,50
7x1,5	9,20	145	37	13,30
12x0,50	9,10	111	36	39,00
12x0,75	10,00	146	40	26,00
12x1	11,00	182	44	19,50
12x1,5	12,20	243	49	13,30
18x0,50	10,50	160	42	39,00
18x0,75	11,70	216	47	26,00
18x1	12,70	264	51	19,50
18x1,5	14,40	361	58	13,30
21x0,50	11,30	183	45	39,00
21x0,75	12,40	243	50	26,00
21x1	13,40	298	54	19,50
21x1,5	15,20	408	61	13,30
25x0,50	12,70	218	51	39,00
25x0,75	14,20	296	57	26,00
25x1	15,40	363	62	19,50
25x1,5	17,40	496	70	13,30