



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	XLPE compound (Cross-linked polyethylene), 2XII type (TS 13751)
Filler	Halogen-Free compound
Sheath	Halogen-Free compound, HM2 type (TS 13751)
Color	Grey

MAIN CHARACTERISTICS

Construction	TS 13751, TSE K 328
General Requirements	EN 50525-1, EN 50525-3-11
Guide to Use	EN 50565-1/2, VDE 0250-214
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295, BS 6360
Flame Retardant	IEC 60332-1-2, IEC 60332-3-24 Cat C
Halogen Content	IEC 60754-1/2
Smoke Density	IEC 61034-1/2

OPERATING CHARACTERISTICS

Rated Voltage	300/500 V (U_0/U)
AC Test Voltage	2 kV
Operating Temperature	-30°C to +90°C
Conductor Short-Circuit Temp.	250°C (Max. 5 sec)
Min. Installation Temp.	-5°C
Min. Bending Radius	Based on VDE 0298-3
Current Carrying Capacities	IEC 60364-5-52 Tab B52.1 & B52.3 & B52.5 & B52.12

APPLICATIONS

These cables are used as power cable in hotels, hospitals, shopping centers, power plants, industrial plants, electrical circuits in crowded places and in places where higher safety required in case of fire. They can be used on and under plaster and available to use in dry, damp and wet places.



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)
2x0,75	7,80	84	31	26,00
2x1	8,20	92	33	19,50
2x1,5	8,40	105	34	13,30
2x2,5	9,20	138	37	7,98
2x4	10,60	187	42	4,95
2x6	11,40	240	46	3,30
2x10	14,20	386	57	1,91
3x0,75	8,20	95	33	26,00
3x1	8,60	104	34	19,50
3x1,5	8,80	121	35	13,30
3x2,5	9,60	158	38	7,98
3x4	11,20	227	45	4,95
3x6	12,40	301	50	3,30
3x10	15,00	468	60	1,91
4x0,75	8,70	109	35	26,00
4x1	9,20	125	37	19,50
4x1,5	9,50	144	38	13,30
4x2,5	10,30	189	41	7,98
4x4	12,50	297	50	4,95
4x6	13,90	388	56	3,30
4x10	16,30	584	65	1,91
5x0,75	9,30	126	37	26,00
5x1	9,90	143	40	19,50
5x1,5	10,20	169	41	13,30
5x2,5	11,10	224	44	7,98
5x4	13,80	352	55	4,95
5x6	15,10	458	60	3,30
5x10	17,80	700	71	1,91