



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	Halogen-Free compound, TI6 type (EN 50363-7)
Core Identification	JZ: Black cores with a green yellow core OZ: Black cores without a green yellow core
Sheath	Halogen-Free compound, TM7 type (EN 50363-8)
Color	Grey

MAIN CHARACTERISTICS

Construction	Based on EN 50525-3-11, Based on BA 14122019, TS 13755
General Requirements	EN 50525-1, VDE 0812, EN 50575
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, 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
Working Temperature	
<i>In Flexing Use</i>	-5°C to +70°C
<i>In Fixed Use</i>	-30°C to +70°C
Conductor Short-Circuit Temp.	150°C (Max. 5 sec)
Min. Installation Temp.	-5 °C
Min. Bending Radius	Based on EN 50565-1 Tab. 3
Current Carrying Capacities	Based on VDE 0298-4 Tab.11

APPLICATIONS

These cables are used for control, measuring and monitoring in engineering projects and various electronic systems in closed areas when higher safety required in case of fire.



FLAME RETARDANT



HALOGEN - FREE



LOW SMOKE

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	37	38	39,00
2x0,75	5,40	50	41	26,00
2x1	5,80	55	44	19,50
2x1,5	6,20	75	47	13,30
2x2,5	6,80	90	51	7,98
3x0,50	5,29	46	40	39,00
3x0,75	5,70	60	43	26,00
3x1	6,10	65	46	19,50
3x1,5	6,60	95	50	13,30
3x2,5	7,50	120	56	7,98
4x0,50	5,75	55,29	43	39,00
4x0,75	6,20	65,96	47	26,00
4x1	6,70	85	50	19,50
4x1,5	7,40	120	56	13,30
4x2,5	8,10	150	61	7,98
5x0,50	6,30	64	47	39,00
5x0,75	6,80	78	51	26,00
5x1	7,50	105	56	19,50
5x1,5	8,10	140	61	13,30
5x2,5	9,30	190	70	7,98
6x0,50	6,70	75	50	39,00
6x0,75	7,50	95	56	26,00
6x1	8,10	116	61	19,50
6x1,5	8,80	144	66	13,30
6x2,5	9,80	207	74	7,98
7x0,50	6,70	80	50	39,00
7x0,75	7,50	100	56	26,00
7x1	8,10	125	61	19,50
7x1,5	8,80	153	66	13,30
7x2,5	9,80	225	74	7,98
8x0,50	7,70	101	58	39,00
8x0,75	8,60	128	65	26,00

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)
8x1	9,30	156	70	19,50
8x1,5	10,60	209	80	13,30
8x2,5	11,50	285	86	7,98
10x0,50	8,60	110	65	39,00
10x0,75	9,40	142	71	26,00
10x1	10,40	180	78	19,50
10x1,5	11,30	221	85	13,30
10x2,5	12,60	320	95	7,98
12x0,50	8,90	125	67	39,00
12x0,75	10,00	167	75	26,00
12x1	10,80	206	81	19,50
12x1,5	11,60	260	87	13,30
12x2,5	13,10	372	98	7,98
14x0,50	9,30	142	70	39,00
14x0,75	10,40	187	78	26,00
14x1	11,30	233	85	19,50
14x1,5	12,80	310	96	13,30
14x2,5	13,70	426	103	7,98
16x0,50	10,00	166	75	39,00
16x0,75	11,00	212	83	26,00
16x1	11,90	265	89	19,50
16x1,5	13,50	350	101	13,30
16x2,5	14,70	500	110	7,98
18x0,50	10,50	185	79	39,00
18x0,75	11,50	237	86	26,00
18x1	12,70	301	95	19,50
18x1,5	14,20	393	107	13,30
18x2,5	15,40	552	116	7,98
25x0,50	12,70	260	95	39,00
25x0,75	14,00	333	105	26,00
25x1	15,40	420	116	19,50
25x1,5	17,40	560	131	13,30
25x2,5	18,70	775	140	7,98