



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	Halogen-Free compound (EN 50290-2-26)
Core Identification	Up to including 10 cores DIN 47100 core colors Above 10 cores black cores with or without a green yellow core
Sheath	Halogen-Free compound (EN 50290-2-27)
Color	Grey

MAIN CHARACTERISTICS

Construction	Based on TS 13755, VDE 0812
General Requirements	EN 50290-2-20
Guide to Use	Based on. EN 50565-1/2, VDE 891 Part 1 to 10
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396, EN 50290
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	-30°C to +70°C
Conductor Short-Circuit Temp.	160°C (Max. 5 sec)
Min. Bending Radius	Based on. VDE 0891 - Part 5
Current Carrying Capacities	Based on VDE 0298-4 Tab.11

For all sections :
Mutual capacitance : Approx 120 nF/km
Inductivity : Approx 0,65 mH/km

APPLICATIONS

These cables are used for data transmission, signalling and monitoring in automation, audio/vision, security and control 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	36	38	39,00
2x0,75	5,40	45	41	26,00
2x1	5,80	53	44	19,50
2x1,5	6,40	68	48	13,30
2x2,5	7,40	97	56	7,98
3x0,50	5,30	43	40	39,00
3x0,75	5,80	55	44	26,00
3x1	6,20	65	47	19,50
3x1,5	6,80	84	51	13,30
3x2,5	7,90	122	59	7,98
4x0,50	58,00	53	435	39,00
4x0,75	6,20	66	47	26,00
4x1	6,70	80	50	19,50
4x1,5	7,70	109	58	13,30
4x2,5	8,60	152	65	7,98
5x0,50	6,20	62	47	39,00
5x0,75	6,80	80	51	26,00
5x1	7,50	100	56	19,50
5x1,5	8,30	130	62	13,30
5x2,5	9,40	184	71	7,98
6x0,50	6,70	73	50	39,00
6x0,75	7,50	97	56	26,00
6x1	8,10	117	61	19,50
6x1,5	9,00	154	68	13,30
6x2,5	10,40	224	78	7,98
7x0,50	6,70	76	50	39,00
7x0,75	7,50	102	56	26,00
7x1	8,10	124	61	19,50
7x1,5	9,00	163	68	13,30
7x2,5	10,40	240	78	7,98
8x0,50	7,70	102	58	39,00
8x0,75	8,40	131	63	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	9,10	158	68	19,50
8x1,5	10,30	214	77	13,30
8x2,5	11,70	303	88	7,98
10x0,50	8,60	111	65	39,00
10x0,75	9,40	143	71	26,00
10x1	10,40	180	78	19,50
10x1,5	11,60	236	87	13,30
10x2,5	13,40	346	101	7,98
12x0,50	8,90	125	67	39,00
12x0,75	10,00	168	75	26,00
12x1	10,80	204	81	19,50
12x1,5	12,20	276	92	13,30
12x2,5	13,90	398	104	7,98
14x0,50	9,30	142	70	39,00
14x0,75	10,40	190	78	26,00
14x1	11,30	232	85	19,50
14x1,5	12,80	315	96	13,30
14x2,5	14,80	462	111	7,98
16x0,50	10,00	163	75	39,00
16x0,75	11,00	214	83	26,00
16x1	11,90	260	89	19,50
16x1,5	13,50	354	101	13,30
16x2,5	15,60	520	117	7,98
18x0,50	10,50	178	79	39,00
18x0,75	11,50	234	86	26,00
18x1	12,70	291	95	19,50
18x1,5	14,20	390	107	13,30
18x2,5	16,40	574	123	7,98
25x0,50	12,70	250	95	39,00
25x0,75	14,00	328	105	26,00
25x1	15,40	408	116	19,50
25x1,5	17,40	553	131	13,30

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)
25x2,5	20,10	812	151	7,98
30x0,50	13,10	280	98	39,00
30x0,75	14,40	370	108	26,00
30x1	15,90	460	119	19,50
30x1,5	18,00	627	135	13,30
30x2,5	20,80	927	156	7,98