



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, TI52 type (EN 50290-2-21)
Core Identification	Up to including 10 cores DIN 47100 core colors Above 10 cores black cores with or without a green yellow core
Sheath	PVC compound, TM52 type (EN 50290-22)
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

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 indoor where flexibility is required.



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	38	38	39,00
2x0,75	5,40	45	41	26,00
2x1	5,80	54	44	19,50
2x1,5	6,20	65	47	13,30
2x2,5	6,81	88	51	7,98
3x0,50	5,30	46	40	39,00
3x0,75	5,70	54	43	26,00
3x1	6,15	66	46	19,50
3x1,5	6,55	80	49	13,30
3x2,5	7,39	114	55	7,98
4x0,50	5,75	56	43	39,00
4x0,75	6,20	66	47	26,00
4x1	6,70	81	50	19,50
4x1,5	7,40	104	56	13,30
4x2,5	8,10	144	61	7,98
5x0,50	6,30	65	47	39,00
5x0,75	6,80	79	51	26,00
5x1	7,51	100	56	19,50
5x1,5	8,10	123	61	13,30
5x2,5	8,90	173	67	7,98
6x0,50	6,70	75	50	39,00
6x0,75	7,50	96	56	26,00
6x1	8,10	118	61	19,50
6x1,5	8,80	146	66	13,30
6x2,5	9,80	210	74	7,98
7x0,50	6,70	79	50	39,00
7x0,75	7,50	101	56	26,00
7x1	8,10	124	61	19,50
7x1,5	8,80	156	66	13,30
7x2,5	9,80	226	74	7,98
8x0,50	7,70	101	58	39,00
8x0,75	8,60	129	65	26,00

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)
8x1	9,30	158	70	19,50
8x1,5	10,60	211	80	13,30
8x2,5	11,50	289	86	7,98
10x0,50	9,00	120	68	39,00
10x0,75	9,40	142	71	26,00
10x1	10,40	180	78	19,50
10x1,5	11,30	225	85	13,30
10x2,5	12,60	327	95	7,98
12x0,50	9,30	138	70	39,00
12x0,75	10,00	167	75	26,00
12x1	10,80	206	81	19,50
12x1,5	11,60	258	87	13,30
12x2,5	13,10	379	98	7,98
14x0,50	10,00	160	75	39,00
14x0,75	10,40	188	78	26,00
14x1	11,30	233	85	19,50
14x1,5	12,80	311	96	13,30
14x2,5	13,70	432	103	7,98
16x0,50	10,50	182	79	39,00
16x0,75	11,00	213	83	26,00
16x1	11,90	264	89	19,50
16x1,5	13,50	353	101	13,30
16x2,5	14,70	498	110	7,98
18x0,50	11,00	201	83	39,00
18x0,75	11,50	237	86	26,00
18x1	12,70	300	95	19,50
18x1,5	14,20	393	107	13,30
18x2,5	15,40	555	116	7,98
25x0,50	13,30	280	100	39,00
25x0,75	14,00	330	105	26,00
25x1	15,40	417	116	19,50
25x1,5	17,40	557	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	18,70	774	140	7,98
30x0,50	13,80	313	104	39,00
30x0,75	14,40	369	108	26,00
30x1	15,90	469	119	19,50
30x1,5	18,00	628	135	13,30
30x2,5	19,50	892	146	7,98