



These flexible cables are designed for connecting, measuring, checking and control applications.

The bedded copper wire braid screen provides protection against electrical interference.

Suitable for installation in dry and moist rooms, outdoor installation not recommended.

Construction

fine stranded plain copper conductors

PVC (polyvinylchloride) core insulation

grey PVC bedding

tinned copper wire braid screen

clear PVC outer sheath

Technical

conductor stranding:	according to class 5 (VDE 0295 / IEC 60228 / BS EN 60228:2005)
bend radius:	6 x overall diameter (O/D) fixed, 20 x O/D flexing
voltage rating:	300/500V operating, 2000V test
current rating:	see YY, SY & CY derivative chart
temperature range:	-15°C to +80°C flexible, -40°C to +80°C static, max. +70°C at conductor
standards:	construction generally to BS EN 50525-2-11 & VDE0250
	flame retardant according to IEC 60332-1
core identification:	OZ, usually 2 core = numbered black cores without earth (green/yellow)
	JZ, usually 3+ cores = numbered black cores with earth (inc. in core count)

Number of Cores	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Cores	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)
2	0.5	7.0	70	80	0.5	24.5	880
3	0.5	7.3	80	100	0.5	27.0	1100
4	0.5	7.9	95				
5	0.5	8.4	110	2	0.75	7.5	83
7	0.5	9.1	140	3	0.75	7.9	94
12	0.5	11.5	217	4	0.75	8.4	115
18	0.5	13.6	295	5	0.75	9.1	136
25	0.5	15.3	384	7	0.75	9.7	167
30	0.5	16.2	429	12	0.75	12.7	259
40	0.5	18.6	552	15	0.75	13.6	271
61	0.5	23.5	780	18	0.75	14.6	365



Number of Cores	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Cores	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)
25	0.75	17.3	480	21	1.5	18.5	600
34	0.75	19.3	614	25	1.5	20.5	850
40	0.75	20.5	728	34	1.5	23.3	964
41	0.75	21.0	734	41	1.5	25.2	1223
50	0.75	23.0	884	50	1.5	27.6	1372
61	0.75	24.5	920	61	1.5	30.5	1580
80	0.75	27.0	1200	80	1.5	33.5	2000
100	0.75	30.0	1500	100	1.5	37.5	2450
2	1.0	7.9	98	2	2.5	10.0	170
3	1.0	8.2	110	3	2.5	10.5	197
4	1.0	8.8	130	4	2.5	11.5	254
5	1.0	9.6	160	5	2.5	12.5	302
7	1.0	10.4	194	7	2.5	14.0	395
12	1.0	11.7	320	12	2.5	18.2	622
14	1.0	14.0	330	18	2.5	22.4	958
16	1.0	14.6	390	25	2.5	26.8	1184
18	1.0	15.5	440				
25	1.0	17.9	560	2	4.0	11.4	247
34	1.0	20.3	738	4	4.0	13.7	394
41	1.0	22.4	885	5	4.0	15.4	445
50	1.0	23.6	1030	7	4.0	16.2	610
61	1.0	26.5	1200				
80	1.0	30.0	1500	2	6.0	13.6	353
100	1.0	33.0	1900	4	6.0	15.8	485
				5	6.0	17.0	702
2	1.5	8.7	122	7	6.0	18.7	950
3	1.5	9.0	145				
4	1.5	9.7	168	2	10.0	16.4	492
5	1.5	10.6	205	3	10.0	17.4	507
7	1.5	11.4	266	4	10.0	19.4	735
12	1.5	15.2	425	5	10.0	21.8	1039
14	1.5	16.0	440	7	10.0	23.2	1105
18	1.5	17.5	565				



Number of Cores	Conductor Area (mm²)	Overall Diameter (mm)	Overall Weight (kg/km)		Number of Cores	Conductor Area (mm²)	Overall Diameter (mm)	Overall Weight (kg/km)
2	16.0	18.6	698		4	50.0	40.0	3150
4	16.0	22.6	1395					
5	16.0	25.2	1480		4	70.0	46.0	4300
4	25.0	28.9	1720		4	95.0	53.0	5600
5	35.0	30.0	2090					
4	35.0	35.6	2210					
5	35.0	38.0	2950					

PVC properties: fairly tough & flexible material with fair abrasive resistance, good resistance to water, aqueous salt solutions, acids and alkalis, moderate/poor resistance against organic solvents and oils. Oil resistant PVC (polyvinylchloride) is commonly available.

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