



Flexible cables designed for measuring and control purposes in plant installations, tool machinery, conveyor belts, production lines, air conditioning systems, steel production plants and rolling mills.

Suitable for internal or external applications in dry, moist or wet areas. Not recommended for direct burial or underwater installation.

Construction

fine stranded plain copper conductors
polyvinylchloride (PVC) core insulation
cores twisted in layers
black UV & oil resistant PVC outer sheath

Technical

conductor stranding:	according to class 5 (VDE 0295 / IEC 60228 / BS EN 60228:2005)
bend radius:	4 x overall diameter (O/D) fixed, 15 x O/D flexing
voltage rating:	600/1000V operating, 4000V test
current rating:	see YY, SY & CY derivative chart
temperature range:	-5°C to +80°C flexible, -40°C to +80°C static
standards:	construction generally to BS EN 50525-2-11, VDE 0262/12.95 & VDE 0281 pt.13 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	6.3	55	2	0.75	6.8	63
3	0.5	6.7	76	3	0.75	7.5	91
4	0.5	7.3	100	4	0.75	7.9	120
5	0.5	8.0	116	5	0.75	8.7	134
7	0.5	9.0	136	7	0.75	9.8	177
12	0.5	11.6	200	12	0.75	12.7	248
18	0.5	14.0	283	18	0.75	14.9	350
25	0.5	16.6	389	25	0.75	17.7	477
				34	0.75	21.5	626
				41	0.75	23.1	733
				50	0.75	25.3	871

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	1.0	7.4	73	3	4.0	12.6	225
3	1.0	7.6	98	4	4.0	14.0	314
4	1.0	8.2	110	5	4.0	15.3	403
5	1.0	9.6	138	7	4.0	16.7	524
7	1.0	10.6	179				
12	1.0	13.7	281	3	6.0	14.2	365
18	1.0	16.0	408	4	6.0	15.7	428
25	1.0	19.4	567	5	6.0	17.9	602
34	1.0	23.5	764	7	6.0	19.7	802
41	1.0	25.6	891				
50	1.0	26.8	1076	4	10.0	18.5	759
				5	10.0	20.5	927
2	1.5	8.5	99	7	10.0	23.0	1293
3	1.5	9.2	122				
4	1.5	9.9	150	4	16.0	21.9	1101
5	1.5	11.1	176	5	16.0	25.6	1617
7	1.5	12.0	220	7	16.0	27.1	1873
12	1.5	15.8	411				
18	1.5	19.0	547	4	25.0	27.2	1624
25	1.5	22.8	771	5	25.0	29.5	2074
34	1.5	26.6	996	7	25.0	33.0	2946
50	1.5	30.4	1427				
				4	35.0	29.8	2403
2	2.5	9.8	142	5	35.0	33.5	2987
3	2.5	10.4	176				
4	2.5	11.5	224	4	50.0	37.1	3402
5	2.5	12.8	253				
7	2.5	15.2	337	4	70.0	41.9	4354
12	2.5	18.2	551				
18	2.5	21.7	790	4	95.0	48.4	6012
25	2.5	26.0	1101				
				4	120.0	53.8	7503

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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