



These flexible cables are designed measuring and control purposes in tool machinery, conveyor belts and production lines etc.

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

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

PVC (polyvinylchloride) core insulation

PVC bedding

tinned copper wire braid screen

black UV & oil resistant 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:	600/1000V operating, 4000V test
current rating:	see YY, SY & CY derivative chart
temperature range:	-15°C to +80°C flexible, -40°C to +80°C static +70°C maximum at conductor
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) NR, 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	8.1	120	2	0.75	9.0	142
3	0.5	8.4	166	3	0.75	9.2	155
4	0.5	9.4	190	4	0.75	10.2	214
5	0.5	10.0	219	5	0.75	11.4	250
7	0.5	12.3	255	7	0.75	12.9	315
12	0.5	14.9	359	12	0.75	15.8	424
18	0.5	17.0	475	18	0.75	18.0	574
25	0.5	19.9	638	25	0.75	21.4	762



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	9.4	157	4	4.0	16.2	540
3	1.0	10.0	196	5	4.0	17.5	673
4	1.0	10.8	231	7	4.0	19.0	874
5	1.0	12.6	270				
7	1.0	13.6	335	4	6.0	17.7	715
12	1.0	16.4	522	5	6.0	19.2	984
18	1.0	19.2	635	7	6.0	21.9	1285
25	1.0	22.4	867				
				4	10.0	21.7	1267
2	1.5	10.1	192	5	10.0	23.5	1635
3	1.5	11.3	218				
4	1.5	13.0	265	4	16.0	24.9	1763
5	1.5	13.9	300	5	16.0	27.4	2720
7	1.5	15.0	397				
12	1.5	18.9	690	4	25.0	29.8	2750
18	1.5	22.1	872	5	25.0	32.6	3490
25	1.5	25.1	1180				
				4	35.0	32.7	3497
2	2.5	11.3	272				
3	2.5	12.7	312	4	50.0	39.6	4937
4	2.5	14.3	362				
5	2.5	15.3	469	4	70.0	44.2	7480
7	2.5	17.2	580				
12	2.5	21.7	863	4	95.0	51.0	10220
18	2.5	25.5	1355				
25	2.5	29.3	1995	4	120.0	58.1	13750

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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