



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 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:	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 BS6500 & VDE0250
	flame retardant according to IEC 60332-1
	oil resistant according to EN 50525-2-51
core identification:	OB, usually 2 core = coloured to VDE 0293 without earth (green/yellow)
	JB, 3-5 cores = coloured to VDE0293 with earth (inc. in core count)
	JB, 6+ cores = coloured to JB Chart 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	6.9	74	4	0.75	8.4	109
3	0.5	7.3	83	5	0.75	9.1	136
4	0.5	7.9	95	7	0.75	9.7	174
5	0.5	8.4	110	12	0.75	12.7	270
7	0.5	9.1	140				
12	0.5	11.5	227	2	1.0	7.9	98
				3	1.0	8.2	107
2	0.75	7.5	86	4	1.0	8.8	137
3	0.75	7.9	100	5	1.0	9.6	164

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)
7	1.0	10.4	199	2	10.0	18.6	500
12	1.0	13.5	330	3	10.0	20.3	750
				4	10.0	19.4	765
2	1.5	8.7	132	5	10.0	21.8	943
3	1.5	9.0	147				
4	1.5	9.7	173	4	16.0	22.6	1080
5	1.5	10.6	210	5	16.0	25.2	1325
7	1.5	11.4	282				
12	1.5	15.2	433	4	25.0	28.9	1890
				5	25.0	31.8	2270
2	2.5	10.0	160				
3	2.5	10.5	210	3	35.0	29.4	1370
4	2.5	11.5	267	4	35.0	33.2	2135
5	2.5	12.5	319	5	35.0	37.5	2885
7	2.5	14.0	395				
12	2.5	18.2	640	3	50.0	35.1	2590
				4	50.0	38.8	3362
2	4.0	13.6	302				
3	4.0	14.7	340	4	70.0	43.7	3719
4	4.0	13.7	369				
5	4.0	15.3	446	4	95.0	50.4	5849
7	4.0	16.6	556				
				4	120	56.8	7509
2	6.0	14.8	350				
3	6.0	16.0	450	4	150	62.2	7800
4	6.0	16.1	503				
5	6.0	17.3	611	4	185	67.8	9866
7	6.0	18.8	798				

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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