



These flexible armoured cables are designed for connecting, measuring, checking and control applications, the steel wire braid armour provides excellent protection against mechanical damage.

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

Some popular sizes are available in LSZH (low smoke zero halogen) for increased fire safety.

Construction

fine stranded plain copper conductors

PVC (polyvinylchloride) core insulation

grey PVC inner sheath

galvanised steel wire braid armour

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:	-5°C to +70°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:	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	7.0	80	16	0.5	12.8	306
3	0.5	7.5	92	21	0.5	15.2	340
4	0.5	7.9	102	24	0.5	15.6	405
5	0.5	9.2	119	27	0.5	17.1	467
7	0.5	10.0	147	40	0.5	19.0	565
10	0.5	11.6	205				
12	0.5	11.9	213	2	0.75	8.2	98
14	0.5	12.0	242	3	0.75	8.5	110



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)
4	0.75	9.2	125	12	1.5	16.5	444
5	0.75	9.7	144	14	1.5	17.6	533
6	0.75	10.3	171	18	1.5	19.8	593
7	0.75	10.8	180	25	1.5	22.3	781
9	0.75	12.3	249	32	1.5	25.1	1015
10	0.75	12.6	252				
12	0.75	12.9	260	2	2.5	10.8	185
15	0.75	14.6	335	3	2.5	12.5	213
18	0.75	15.6	388	4	2.5	13.4	253
21	0.75	17.3	474	5	2.5	14.4	301
25	0.75	18.0	503	7	2.5	15.5	420
32	0.75	19.6	644	12	2.5	18.2	650
61	0.75	25.4	1082				
				2	4.0	12.5	330
2	1.0	8.4	112	3	4.0	12.9	363
3	1.0	8.8	132	4	4.0	14.0	428
4	1.0	9.5	143	5	4.0	15.5	504
5	1.0	10.1	166	7	4.0	16.6	640
6	1.0	11.0	201				
7	1.0	11.8	220	3	6.0	15.5	450
8	1.0	13.6	277	4	6.0	18.0	495
10	1.0	13.8	315	5	6.0	18.9	592
12	1.0	14.0	322	7	6.0	19.2	845
18	1.0	17.8	500				
20	1.0	18.3	532	3	10.0	18.0	835
25	1.0	20.8	664	4	10.0	20.0	1153
				5	10.0	21.9	1352
2	1.5	9.1	146	7	10.0	24.2	1551
3	1.5	9.8	157				
4	1.5	10.8	185	3	16.0	19.8	913
5	1.5	11.2	205	4	16.0	22.9	1360
6	1.5	12.5	255	5	16.0	25.5	1740
7	1.5	13.2	285	7	16.0	28.0	2166
8	1.5	14.6	340				



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)
3	25.0	26.2	1630	4	50.0	38.2	3513
4	25.0	27.0	2020	5	50.0	43.2	4248
5	25.0	31.8	2465				
				4	70.0	43.7	4810
3	35.0	31.6	1932	5	70.0	51.8	5880
4	35.0	36.0	2570				
5	35.0	37.0	3185	4	95.0	50.4	6360
				5	95.0	56.3	8071

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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