



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 & VDE 0295 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	7.0	87	25	0.5	16.0	375
3	0.5	7.5	95	30	0.5	16.5	439
4	0.5	7.9	107	35	0.5	17.9	500
5	0.5	8.7	123	40	0.5	19.0	565
7	0.5	10.0	147	52	0.5	20.7	690
10	0.5	11.1	196	61	0.5	23.1	843
12	0.5	11.6	218	80	0.5	25.7	1050
14	0.5	12.0	242				
18	0.5	13.5	291	2	0.75	7.9	97
21	0.5	15.2	337	3	0.75	8.1	108



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	8.7	134	65	1.0	28.4	1540
5	0.75	9.5	146	80	1.0	30.9	1750
7	0.75	10.5	172	100	1.0	35.2	1950
9	0.75	11.9	224				
10	0.75	12.3	222	2	1.5	9.1	128
12	0.75	12.9	263	3	1.5	9.5	151
15	0.75	14.1	315	4	1.5	10.1	173
18	0.75	14.7	355	5	1.5	11.0	202
21	0.75	16.5	424	7	1.5	12.0	248
25	0.75	17.4	465	8	1.5	12.6	291
34	0.75	19.7	596	9	1.5	13.2	315
41	0.75	21.6	741	10	1.5	14.5	358
50	0.75	24.0	925	12	1.5	15.4	396
61	0.75	25.4	1082	14	1.5	16.6	438
				18	1.5	17.6	538
2	1.0	8.4	106	25	1.5	20.4	713
3	1.0	8.6	119	32	1.5	23.4	944
4	1.0	9.2	141	34	1.5	25.1	1015
5	1.0	10.1	164	42	1.5	27.0	1212
7	1.0	11.3	200	50	1.5	28.0	1393
8	1.0	12.1	230	61	1.5	31.8	1810
9	1.0	13.2	260	80	1.5	36.4	2316
12	1.0	13.8	309	100	1.5	41.4	2900
14	1.0	14.2	345				
18	1.0	15.9	420	2	2.5	10.4	165
20	1.0	16.6	492	3	2.5	11.5	206
25	1.0	18.3	548	4	2.5	12.4	249
34	1.0	20.7	739	5	2.5	13.1	295
36	1.0	23.0	857	7	2.5	14.7	373
41	1.0	25.0	993	12	2.5	18.7	586
50	1.0	25.4	1112	14	2.5	19.9	653
56	1.0	26.0	1225	18	2.5	21.1	823
61	1.0	27.2	1306				



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	2.5	23.3	1093	5	10.0	22.6	945
30	2.5	30.0	1686	7	10.0	24.7	1299
34	2.5	33.1	1869				
50	2.5	39.4	2200	4	16.0	23.0	1384
61	2.5	41.5	3000	5	16.0	25.9	1740
				7	16.0	29.0	1853
3	4.0	12.6	285				
4	4.0	14.1	348	4	25.0	27.0	1720
5	4.0	16.0	410	5	25.0	36.5	2130
7	4.0	16.9	519				
				4	35.0	36.0	2276
3	6.0	16.2	440	5	35.0	40.7	2789
4	6.0	16.5	482				
5	6.0	17.7	579	4	50.0	42.5	3300
7	6.0	19.5	740				
				4	70.0	52.4	4411
3	10.0	18.9	730				
4	10.0	20.2	783	4	95.0	57.6	5237

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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