

These flexible cables are designed for connecting, measuring, checking and control applications.

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

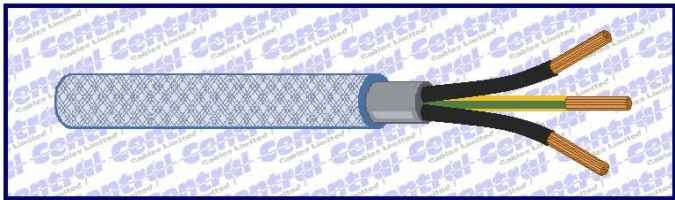
Suitable for installation in dry and moist rooms, outdoor installation not recommended.

Construction

fine stranded plain copper conductors
PVC (polyvinylchloride) core insulation
grey PVC bedding
tinned copper wire braid screen
clear PVC outer sheath

<u>Technical</u>	
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
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	70	40	0.5	18.6	552
3	0.5	7.3	80	61	0.5	23.5	780
4	0.5	7.9	95	80	0.5	24.5	880
5	0.5	8.4	110	100	0.5	27.0	1100
7	0.5	9.1	140				
12	0.5	11.5	217	2	0.75	7.5	83
18	0.5	13.6	295	3	0.75	7.9	94
25	0.5	15.3	384	4	0.75	8.4	115
30	0.5	16.2	429	5	0.75	9.1	136



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	0.75	9.7	167	5	1.5	10.6	205
12	0.75	12.7	259	7	1.5	11.4	266
15	0.75	13.6	271	12	1.5	15.2	425
18	0.75	14.6	365	14	1.5	16.0	440
25	0.75	17.3	480	18	1.5	17.5	565
34	0.75	19.3	614	21	1.5	18.5	600
40	0.75	20.5	728	25	1.5	20.5	850
41	0.75	21.0	734	34	1.5	23.3	964
50	0.75	23.0	884	41	1.5	25.2	1223
61	0.75	24.5	920	50	1.5	27.6	1372
80	0.75	27.0	1200	61	1.5	30.5	1580
100	0.75	30.0	1500	80	1.5	33.5	2000
				100	1.5	37.5	2450
2	1.0	7.9	98				
3	1.0	8.2	110	2	2.5	10.0	170
4	1.0	8.8	130	3	2.5	10.5	197
5	1.0	9.6	160	4	2.5	11.5	254
7	1.0	10.4	194	5	2.5	12.5	302
12	1.0	11.7	320	7	2.5	14.0	395
14	1.0	14.0	330	12	2.5	18.2	622
16	1.0	14.6	390	18	2.5	22.4	958
18	1.0	15.5	440	25	2.5	26.8	1184
25	1.0	17.9	560				
34	1.0	20.3	738	2	4.0	11.4	247
41	1.0	22.4	885	4	4.0	13.7	394
50	1.0	23.6	1030	5	4.0	15.4	445
61	1.0	26.5	1200	7	4.0	16.2	610
80	1.0	30.0	1500				
100	1.0	33.0	1900	2	6.0	13.6	353
				4	6.0	15.8	485
2	1.5	8.7	122	5	6.0	17.0	702
3	1.5	9.0	145	7	6.0	18.7	950
4	1.5	9.7	168				



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	10.0	16.4	492	4	25.0	28.9	1720
3	10.0	17.4	507	5	35.0	30.0	2090
4	10.0	19.4	735				
5	10.0	21.8	1039	4	35.0	35.6	2210
7	10.0	23.2	1105	5	35.0	38.0	2950
2	16.0	18.6	698	4	50.0	40.0	3150
4	16.0	22.6	1395				
5	16.0	25.2	1480	4	70.0	46.0	4300
				4	95.0	53.0	5600

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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