

Flexible cables designed for junction or connecting applications in control, measuring and signalling technology where protection against electrical interference is not required.

Suitable for installation indoors in dry or moist areas, outdoor installation not recommended.

May be available in LSZH (low smoke zero halogen) for increased fire safety.

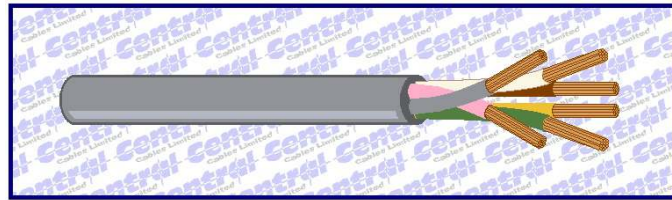
### Construction

fine stranded plain copper conductors  
PVC (polyvinylchloride) core insulation  
cores twisted into pairs, then into layers  
grey PVC outer sheath

### Technical

conductor stranding:	0.14mm <sup>2</sup> = 18x 0.10mm, 0.34mm <sup>2</sup> = 7x 0.25mm others = according to class 5 (VDE 0295 / IEC 60228 / BS EN 60228:2005)
bend radius:	under 12mm overall diameter (O/D) = 5 x O/D fixed, 10 x O/D flexing 12mm O/D to 19.9mm O/D = 7.5 x O/D fixed, 15 x O/D flexing 20mm O/D and above = 10 x O/D fixed, 20 x O/D flexing
voltage rating:	350V operating, 0.14mm <sup>2</sup> = 1200V test, others 1500V test
current rating:	see YY, SY & CY derivative chart
temperature range:	-15°C to +80°C flexible, -30°C to +80°C static
standards:	construction generally to VDE 0812, VDE 0814 & DIN 47414 flame retardant according to IEC 60332-1
core identification:	coloured according to DIN 47100

Number of Pairs	Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Pairs	Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)
2	0.14	5.0	26	16	0.14	9.3	101
3	0.14	5.1	32	25	0.14	12.0	169
4	0.14	5.6	39	30	0.14	12.4	193
5	0.14	6.0	46	32	0.14	13.9	204
6	0.14	6.3	52	40	0.14	15.0	245
10	0.14	8.2	78	50	0.14	16.0	353
12	0.14	8.5	95	61	0.14	17.8	391



Number of Pairs	Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Pairs	Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)
2	0.25	6.2	38	6	0.34	10.4	113
3	0.25	6.4	48	7	0.34	10.6	118
4	0.25	7.0	59	8	0.34	11.4	129
6	0.25	8.0	80	10	0.34	13.0	166
8	0.25	9.4	98	12	0.34	13.5	190
10	0.25	10.7	115	16	0.34	14.9	240
12	0.25	11.0	130	20	0.34	16.4	290
16	0.25	12.6	174	24	0.34	18.3	343
20	0.25	13.8	209	25	0.34	19.1	372
24	0.25	15.3	247	30	0.34	19.8	429
25	0.25	15.7	256	32	0.34	20.6	456
30	0.25	16.3	295	40	0.34	22.3	551
32	0.25	16.9	313	50	0.34	25.6	698
40	0.25	18.2	379	61	0.34	27.5	850
50	0.25	20.9	481				
61	0.25	22.2	569				
				2	0.5	8.0	72
				3	0.5	8.3	83
2	0.34	7.6	44	4	0.5	8.7	115
3	0.34	8.1	56	8	0.5	12.4	208
4	0.34	8.5	69	10	0.5	13.2	250
5	0.34	9.7	90				

**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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