



Designed for constantly moving applications, for use in free movement without tensile stress and in drag-chains. Robust insulation material is used to prevent breakage due to bending so the cable may not feel extra flexible. Suitable for installation indoors in dry or damp areas. PUR (polyurethane) sheathed versions are often available for use outdoors or under harsh conditions.

Construction

extra fine stranded plain copper conductors
PVC or polypropylene (PP) core insulation
cores twisted in layers with textile wrapping
grey polyvinylchloride (PVC) outer sheath

<u>Technical</u>	
conductor stranding:	according to class 6 (VDE 0295 / IEC 60228 / BS EN 60228:2005)
bend radius:	4 x overall diameter (O/D) fixed, 7.5 x O/D flexing
voltage rating:	300/500V operating, 4000V test
current rating:	see YY, SY & CY derivative chart
temperature range:	-5°C to +70°C flexible, -40°C to +70°C static
standards:	construction generally to VDE 0245 & VDE 0285 flame retardant according to IEC 60332-1-2
core identification:	OZ, usually 2 core = numbered black cores without earth (green/yellow) JZ, 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	6.3	40	42	0.5	18.3	432
3	0.5	6.5	48	50	0.5	19.8	527
4	0.5	7.3	58				
5	0.5	7.6	67	2	0.75	6.4	49
7	0.5	8.4	95	3	0.75	6.5	60
10	0.5	9.5	118	4	0.75	6.7	73
12	0.5	10.2	136	5	0.75	7.9	84
14	0.5	11.4	144	7	0.75	9.6	117
18	0.5	12.3	195	10	0.75	10.7	154
21	0.5	13.1	225	12	0.75	11.6	171
25	0.5	14.3	278	16	0.75	11.8	191
30	0.5	14.5	312	18	0.75	13.9	260
34	0.5	16.7	358	21	0.75	15.4	305

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	0.75	17.0	363	16	1.5	15.5	426
26	0.75	17.2	356	18	1.5	16.5	525
34	0.75	18.6	443	21	1.5	18.3	595
50	0.75	21.6	587	25	1.5	20.4	684
				26	1.5	21.0	707
2	1.0	6.6	58	34	1.5	23.3	891
3	1.0	6.8	74	41	1.5	24.0	936
4	1.0	7.3	89	42	1.5	25.0	1075
5	1.0	7.8	104	50	1.5	26.0	1320
7	1.0	8.7	142	61	1.5	32.7	1578
10	1.0	11.4	201	65	1.5	34.1	1672
12	1.0	12.6	241				
14	1.0	13.3	259	3	2.5	9.9	145
16	1.0	13.7	288	4	2.5	11.2	195
18	1.0	14.2	325	5	2.5	12.0	242
21	1.0	15.8	406	7	2.5	14.6	346
25	1.0	17.5	481	12	2.5	17.8	516
26	1.0	17.8	495	14	2.5	19.5	586
32	1.0	20.7	593	18	2.5	21.2	824
34	1.0	21.4	635	25	2.5	25.1	988
41	1.0	22.7	747				
42	1.0	23.0	768	3	4.0	11.2	214
48	1.0	24.1	815	4	4.0	12.3	266
50	1.0	24.9	879	5	4.0	13.7	325
65	1.0	30.0	1221				
				4	6.0	14.5	396
2	1.5	6.6	74	5	6.0	16.2	484
3	1.5	7.0	98				
4	1.5	7.9	114	4	10.0	18.3	644
5	1.5	8.8	139	5	10.0	20.3	785
7	1.5	9.8	189				
10	1.5	13.5	270	4	16.0	21.2	922
12	1.5	14.0	313	5	16.0	23.7	1133
14	1.5	14.2	350				

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.

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