



Designed for constantly moving applications, for use in free movement without tensile stress and in drag-chains under heavy duty conditions. Robust insulation material is used to prevent breakage due to bending so the cable may not feel extra flexible. The overall braid screen provides protection against electronic interference.

Suitable for installation indoors or outdoors, in dry or wet areas and where exposed to harsh mechanical strain or dragged over sharp/rough surfaces.

### Construction

extra fine stranded plain copper conductors  
polyvinylchloride (PVC), polypropylene (PP) or thermoplastic elastomer (TPE) core insulation  
cores twisted into pairs then in layers  
textile wrapping & tinned copper wire braid screen  
grey polyurethane (PUR) outer sheath

### Technical

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:	250V operating, 1500V test
current rating:	see YY, SY & CY derivative chart
temperature range:	-5°C to +70°C flexible, -40°C to +80°C static
standards:	flame retardant according to IEC 60332-1-2
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	5.8	42	1	0.25	4.9	28
3	0.14	6.2	53	2	0.25	7.0	63
4	0.14	6.7	59	3	0.25	7.6	74
5	0.14	7.2	75	4	0.25	8.3	87
6	0.14	7.8	91	5	0.25	9.3	106
8	0.14	8.3	109	6	0.25	10.1	134
10	0.14	9.3	120	8	0.25	11.4	151
14	0.14	10.0	168	10	0.25	12.5	188
				14	0.25	13.7	217



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)
1	0.34	5.3	36	1	0.75	7.1	64
2	0.34	7.0	81	2	0.75	9.8	118
3	0.34	7.2	101	3	0.75	11.1	153
4	0.34	8.0	119	4	0.75	11.6	178
5	0.34	8.5	149	5	0.75	12.8	203
6	0.34	9.4	165	6	0.75	13.7	235
8	0.34	10.2	221	8	0.75	16.7	347
10	0.34	11.4	274	10	0.75	19.3	468
14	0.34	12.5	384	14	0.75	20.3	547
1	0.5	6.5	49	1	1.0	7.5	74
2	0.5	9.5	102	2	1.0	10.6	128
3	0.5	10.4	134	3	1.0	11.7	167
4	0.5	11.5	152	4	1.0	12.3	209
5	0.5	11.8	165	5	1.0	13.7	241
6	0.5	12.9	197				
8	0.5	15.9	289				
10	0.5	17.7	349				
14	0.5	18.3	404				

**PUR Properties:** UV resistant, inflammable material with excellent abrasion and tear resistance. Good resistance to water and mineral oils. Poor resistance to acids and alkalis and no resistance to organic solvents.

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