



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.

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 in layers with textile wrapping  
 grey polyurethane (PUR) outer sheath

<b><u>Technical</u></b>	
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, 1500V test
current rating:	see YY, SY & CY derivative chart
insulation resistance:	≥ 20 MΩ x km
temperature range:	-5°C to +70°C flexible, -40°C to +80°C static
standards:	construction generally to VDE 0812 flame retardant according to IEC 60332-1-2
core identification:	coloured according to DIN 47100

Number of Cores	Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Cores	Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)
3	0.14	4.5	26	2	0.25	4.5	28
4	0.14	4.8	31	3	0.25	4.9	33
5	0.14	5.1	35	4	0.25	5.3	40
7	0.14	6.2	50	5	0.25	6.2	51
10	0.14	7.2	63	7	0.25	7.0	64
14	0.14	7.5	77	10	0.25	8.2	84
18	0.14	8.0	91	14	0.25	8.5	108
25	0.14	9.5	125	18	0.25	9.5	130
				25	0.25	11.0	178



Number of Cores	Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Cores	Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)
2	0.34	5.1	33	10	0.34	9.2	117
3	0.34	5.2	43	14	0.34	9.4	151
4	0.34	6.1	57	18	0.34	11.0	182
5	0.34	6.5	65	25	0.34	13.0	250
7	0.34	7.6	85				

**PUR Properties:** UV resistant material with excellent abrasion and tear resistance. Good resistance to water and mineral oils. Poor resistance to acids, alkalis and organic solvents.

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