



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. The overall braid screen provides protection against electronic interference. 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  
tinned copper wire braid screen  
grey polyvinylchloride (PVC) outer sheath

### Technical

conductor stranding:	according to class 6 (VDE 0295 / IEC 60228 / BS EN 60228)
bend radius:	4x overall diameter fixed 7.5x overall diameter flexing
voltage rating:	300/500V 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 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	4.9	38		2	0.25	5.0	41
4	0.14	5.0	41		3	0.25	5.3	47
5	0.14	5.3	49		4	0.25	6.3	57
7	0.14	7.1	73		5	0.25	6.9	74
10	0.14	8.2	95		7	0.25	7.4	93
14	0.14	8.6	109		10	0.25	8.7	121
18	0.14	8.7	127		14	0.25	9.2	149
25	0.14	10.5	161		18	0.25	10.0	167
					25	0.25	12.7	228



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	5.6	46	10	0.34	10.3	161
3	0.34	6.3	61	14	0.34	10.5	198
4	0.34	6.9	82	18	0.34	11.1	226
5	0.34	7.0	92	25	0.34	13.7	329
7	0.34	8.1	119				

**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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