



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 in dry, moist 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
tinned copper wire braid screen
grey polyurethane (PUR) 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:	300/500V operating, 2000V 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 ²)	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Cores	Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)
2	0.14	4,6	3.3	2	0.25	5.0	41
3	0.14	4,9	3.8	3	0.25	5.3	47
4	0.14	5	4.1	4	0.25	6.3	57
5	0.14	5,3	4.9	5	0.25	6.9	74
7	0.14	7,1	7.3	7	0.25	7.4	93
10	0.14	8,2	9.5	10	0.25	8.7	121
14	0.14	8,6	10.9	14	0.25	9.2	149
18	0.14	8,7	12.7	18	0.25	10.0	167
25	0.14	10,5	16.1	25	0.25	12.7	228



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	0.34	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				

PUR Properties: Tough 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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