

Designed for data transmission in highly flexible automated production processes, in drag chains or applications where the cable is exposed to fast and abrupt movement.

These tough cables are suitable for installation indoors or outdoors, in dry, moist or wet areas and where exposed to harsh mechanical strain or dragged over sharp/rough surfaces.

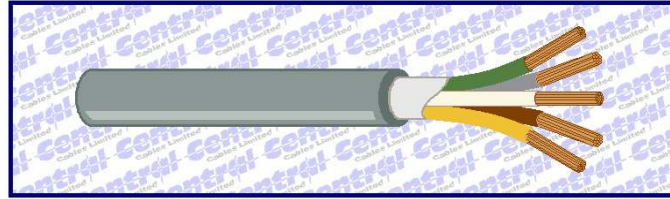
Construction

- extra fine stranded plain copper conductors
- polyvinylchloride (PVC) core insulation
- cores twisted in layers
- textile wrapping
- 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:	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 ²)	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Cores	Conductor Area (mm ²)	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 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	5.1	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, 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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