

These flexible halogen free single core cables are designed for equipment wiring applications.

Suitable for use in high or low temperatures where traditional PVC material would become brittle.

Construction

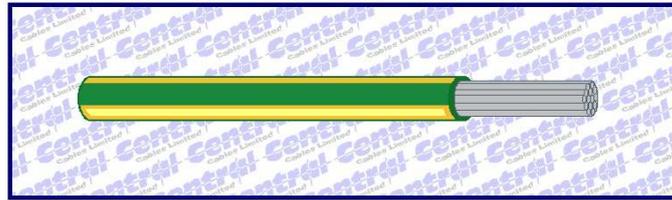
fine stranded tinned copper conductor

silicone rubber insulating sheath

Technical

conductor stranding:	according to class 5 (VDE 0295 / IEC 60228 / BS EN 60228:2005)
bend radius:	15 x overall diameter (O/D) flexing, 6 x O/D fixed
voltage rating:	300/500V operating, 1500V-2000V test up to 1.0mm ² = 1500V test, 1.5mm ² and above = 2000V test
current rating:	see Silicone Single & Multicore chart
insulation resistance:	min. 2 GΩ x km
temperature range:	-50°C to +180°C fixed operating, up to +200°C intermittent maximum temperature at conductor in operation +180°C
standards:	flame retardant to VDE 0482-332-2-1, IEC 60332-1 acid gas emission to IEC 60754-1, IEC 60754-2
sheath colours:	up to 25mm ² = black, brown, blue, green, grey, green/yellow, orange, pink, red, violet, white & yellow above 25mm ² = black sheath only

Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)
0.25	1.9	6
0.5	2.1	9
0.75	2.4	11
1.0	2.5	14
1.5	2.8	20
2.5	3.4	32
4.0	4.2	49
6.0	5.2	71



Conductor Area (mm ²)	Common Stranding (no./mm)	Overall Weight (kg/km)
10.0	6.8	122
16.0	8.4	188
25.0	10.3	292
35.0	11.6	400
50.0	13.8	570
70.0	16.0	767
95.0	18.4	1030
120.0	20.0	1300
150.0	22.7	1563
185.0	24.9	1915
240.0	26.1	2440

Silicone Rubber Properties: resistant to many oils, dilute acid, water, ozone, alcohol, & alkaline solutions but has poor abrasion resistance so should be protected against mechanical damage. If burnt an insulating layer of silicone dioxide will remain, rendering the cable short-circuit proof for a limited time.

This material is halogen free, guaranteeing max. 0.5% hydrogen chloride (HCL) emissions if burnt.

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