



These halogen free single core cables are designed for static wiring installations, not recommended for flexible applications.

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

### Construction

solid tinned copper conductor  
silicone rubber insulating sheath

### Technical

conductor makeup:	according to class 1 (VDE 0295 / IEC 60228)
bend radius:	6 x O/D overall diameter fixed
voltage rating:	300/500V operating, 1500V-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:	black, brown, blue, green, grey, green/yellow, orange, pink, red, violet, white & yellow

Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)	Conductor Area (mm <sup>2</sup> )	Overall Diameter (mm)	Overall Weight (kg/km)
0.5	2.0	7.7	2.5	3.2	29.0
0.75	2.2	11.0	4.0	3.9	45.0
1.0	2.3	13.0	6.0	4.4	64.5
1.5	2.6	18.0	10.0	5.6	120.0

**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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