



These flexible halogen free single core cables are designed for equipment wiring applications. The glass fibre braid provides protection against mechanical damage.

Suitable for use in ovens and kiln control circuits, as well as steel and glass manufacturing plants.

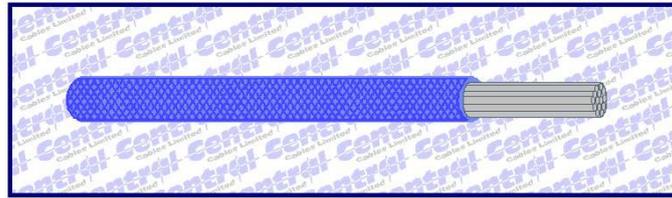
Construction

fine stranded tinned copper conductor
silicone rubber insulating sheath
woven glass fibre braiding

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 = white sheath only

Conductor Area (mm ²)	Overall Diameter (mm)	Overall Weight (kg/km)
0.25	2.4	8
0.5	2.6	13
0.75	2.9	16
1.0	3.0	18
1.5	3.3	24
2.5	3.9	37
4.0	4.7	53



Conductor Area (mm ²)	Common Stranding (no./mm)	Overall Weight (kg/km)
6.0	5.4	77
10.0	7.6	129
16.0	8.9	199
25.0	10.9	303
35.0	12.1	413
50.0	14.4	578
70.0	14.9	831
95.0	18.4	1117
120.0	19.4	1410
150.0	23.4	1695
185.0	24.0	2077
240.0	26.9	2498
300.0	30.9	3490

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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