



Flexible halogen free screened multicore cables designed for power and control use, with a copper wire braid screen providing excellent protection against electrical interference.

These cables are suitable for high or low temperature applications where traditional PVC material would become brittle.

Construction

- fine stranded tinned copper conductor
- silicone rubber core insulation
- silicone inner sheath or polyester tape
- tinned copper wire braid screen
- brick-red silicone outer sheath

Technical

conductor stranding:	according to class 5 (VDE 0295 / IEC 60228 / BS EN 60228:2005)
bend radius:	20 x overall diameter (O/D) flexing, 6 x O/D fixed
voltage rating:	300/500V operating, 2000V test
current rating:	see Silicone Single & Multicore chart
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 IEC 60332-1 acid gas emission to IEC 60754-1, IEC 60754-2
core identification:	2 cores = coloured brown & blue (OB) 3 to 5 cores = coloured to VDE0293 including green/yellow earth (JB) 6+ cores = numbered black cores including green/yellow earth (JZ)

Conductors		Cable Overall		Conductors		Cable Overall	
Number of	Area (mm ²)	Diameter (mm)	Weight (kg/km)	Number of	Area (mm ²)	Diameter (mm)	Weight (kg/km)
2	0.5	8.0	101	2	0.75	8.8	124
3	0.5	8.3	118	3	0.75	9.2	136
4	0.5	9.1	131	4	0.75	10.3	159
5	0.5	9.9	153	5	0.75	11.1	180
7	0.5	10.9	173	7	0.75	12.0	212
10	0.5	12.8	242	10	0.75	13.9	306
12	0.5	13.5	263	12	0.75	15.2	333
16	0.5	15.1	326	16	0.75	16.9	418
18	0.5	15.9	341	18	0.75	18.0	453
25	0.5	18.5	358	25	0.75	20.8	468



Conductors		Cable Overall		Conductors		Cable Overall	
Number of	Area (mm ²)	Diameter (mm)	Weight (kg/km)	Number of	Area (mm ²)	Diameter (mm)	Weight (kg/km)
2	1.0	9.2	132	2	2.5	12.0	230
3	1.0	9.4	153	3	2.5	12.9	275
4	1.0	11.0	175	4	2.5	13.9	340
5	1.0	11.8	203	5	2.5	14.9	394
7	1.0	12.5	243	7	2.5	15.8	488
10	1.0	14.7	258				
12	1.0	15.8	371	3	4.0	14.3	361
16	1.0	17.4	468	4	4.0	16.0	520
18	1.0	18.5	526	5	4.0	17.3	653
24	1.0	21.8	559				
				3	6.0	16.4	489
2	1.5	10.8	172	4	6.0	18.0	781
3	1.5	11.2	198	5	6.0	19.7	982
4	1.5	12.0	235				
5	1.5	12.9	281	4	10.0	23.2	1294
7	1.5	13.9	345				
10	1.5	14.7	482	4	16.0	25.2	1988
12	1.5	15.8	531				
16	1.5	17.4	662	4	25.0	31.0	2995
18	1.5	20.6	720				
25	1.5	24.2	791	4	35.0	33.8	3150

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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