



These flexible halogen free multicore cables are designed for power and control applications.

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

Construction

fine stranded tinned copper conductor

silicone rubber core insulation

brick red silicone sheath as standard, black & white versions may also be available in some sizes

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, 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 VDE 0482-332-2-1, 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	5.7	42	18	0.5	12.7	211
3	0.5	5.9	44	25	0.5	15.2	271
4	0.5	6.5	58				
5	0.5	7.3	62	2	0.75	6.4	59
6	0.5	7.9	79	3	0.75	6.9	74
7	0.5	8.1	85	4	0.75	7.6	89
8	0.5	8.9	99	5	0.75	8.5	112
10	0.5	10.0	124	6	0.75	9.1	131
12	0.5	10.7	141	7	0.75	9.4	136
16	0.5	12.1	186	8	0.75	9.9	138



Conductors		Cable Overall	
Number of	Area (mm ²)	Diameter (mm)	Weight (kg/km)
10	0.75	11.1	156
12	0.75	11.7	185
16	0.75	13.7	218
18	0.75	13.9	260
25	0.75	16.4	370
2	1.0	6.6	66
3	1.0	7.0	79
4	1.0	7.9	101
5	1.0	8.8	127
6	1.0	9.5	135
7	1.0	9.8	156
8	1.0	10.3	175
9	1.0	11.3	196
10	1.0	11.7	216
12	1.0	12.6	256
16	1.0	14.2	302
18	1.0	15.1	374
20	1.0	15.8	400
25	1.0	18.3	431
2	1.5	7.6	90
3	1.5	8.0	109
4	1.5	8.8	134
5	1.5	9.6	163
6	1.5	10.2	173
7	1.5	10.6	202
8	1.5	11.2	213
10	1.5	13.0	282
12	1.5	14.0	361
14	1.5	14.7	379
16	1.5	16.2	478
18	1.5	17.1	510

Conductors		Cable Overall	
Number of	Area (mm ²)	Diameter (mm)	Weight (kg/km)
20	1.5	17.6	574
24	1.5	20.0	725
25	1.5	21.0	749
2	2.5	8.9	137
3	2.5	9.7	167
4	2.5	10.6	206
5	2.5	11.6	251
6	2.5	12.5	313
7	2.5	12.9	320
8	2.5	13.6	373
10	2.5	15.5	450
12	2.5	18.0	502
16	2.5	19.6	659
18	2.5	20.6	761
19	2.5	21.1	912
21	2.5	23.0	1008
24	2.5	24.2	1050
25	2.5	25.2	1200
2	4.0	10.8	196
3	4.0	11.5	241
4	4.0	12.6	300
5	4.0	14.0	374
6	4.0	15.6	486
7	4.0	16.0	482
2	6.0	12.4	279
3	6.0	13.2	342
4	6.0	14.7	442
5	6.0	16.6	538
7	6.0	18.4	705



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	10.0	16.2	400	4	25.0	26.8	1500
3	10.0	17.2	507	5	25.0	32.2	1850
4	10.0	19.5	707				
5	10.0	21.5	878	2	35.0	24.6	1100
7	10.0	23.4	1151	3	35.0	26.3	1500
				4	35.0	30.4	2100
2	16.0	18.0	591	5	35.0	36.7	2580
3	16.0	19.3	749				
4	16.0	21.6	1004	4	50.0	34.0	2990
5	16.0	25.0	1204				
7	16.0	26.4	1682	4	70.0	44.5	3550
2	25.0	22.0	700	4	95.0	51.0	4800
3	25.0	23.4	1100				

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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