



These flexible halogen free multicore cables are designed for power and control applications. The steel wire braid armour provides the soft silicone with protection against mechanical damage.

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 inner sheath
- optional glass fibre braid
- galvanized steel wire braid outer

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 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	0.75	7.7	90	4	1.0	9.3	140
3	0.75	8.1	102	5	1.0	10.2	167
4	0.75	9.0	130	6	1.0	10.8	188
5	0.75	9.9	158	7	1.0	10.9	205
6	0.75	10.4	169				
7	0.75	10.6	177				
				2	1.5	9.1	127
				3	1.5	9.5	145
2	1.0	7.9	98	4	1.5	10.5	173
3	1.0	8.5	122	5	1.5	11.3	212



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)
6	1.5	12.0	240	4	4.0	14.6	384
7	1.5	12.3	255	5	4.0	15.7	454
8	1.5	13.0	261	7	4.0	17.5	633
12	1.5	15.9	382				
14	1.5	16.2	392	2	6.0	15.1	321
16	1.5	17.5	433	3	6.0	15.8	432
18	1.5	18.5	440	4	6.0	17.4	544
24	1.5	21.5	600	5	6.0	19.5	656
				7	6.0	20.7	768
2	2.5	10.5	187				
3	2.5	11.1	217	4	10.0	21.5	925
4	2.5	12.3	280				
5	2.5	13.5	323	4	16.0	25.6	1235
6	2.5	14.2	355				
7	2.5	14.4	380	4	25.0	30.4	1700
2	4.0	12.2	270	4	35.0	35.8	1850
3	4.0	12.9	311				

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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