

2 Controlflex® “YY-LSF” Type

3 Low Smoke Zero Halogen Flexible Cable 300/500 V 80°C



4 Application

5 These flexible cables are designed for industrial control and instrumentation circuits and interconnections between mobile and fixed equipment. Cables are not recommended for applications where cable is likely to be subjected to repetitive flexing and/or twisting e.g. robotics, reeling drum, cranes etc. Especially for use in areas where fire would create dense smoke and toxic fumes causing a major threat to life and equipment.

6 Specifications

- 7 • Generally in accordance with BS6500 and VDE0250
- 8 • **Conductors:** Flexible (Class 5) copper conductors to BS EN 60228
- 9 • **Insulation:** Zero halogen insulation
- 10 • **Core Identification:** Cores will be number printed, in a contrasting colour, on black low smoke zero halogen insulation. All cables of three core and above will incorporate a green/yellow earthcore in the outer layer
- 11 • Grey LSF outer sheath Type LTS3 to BS7655 Section 6.1. RAL 7000
- 12 • Flame retardant to BS EN 60332-1-2
- 13 • Meets IEC 61034 3m cube smoke emission test
- 14 • **Voltage Rating:** 300/500 V
- 15 • **Temperature Rating:** 80°C maximum conductor operating temperature

16 Add suffix -KL to part number for cables up to 3 core having coloured cores, or -HKL for 4 and 5 core cables as follows:
17 e.g. A4LE-C003-KL or A4LE-C005-HKL.

18 2 core - blue, brown.

19 3 core - green/yellow, blue, brown.

20 4 core - green/yellow, brown, black, grey.

21 5 core - green/yellow, brown, black, grey, blue.

22 For further technical information refer to the end of the section.

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Anixter Number	Number of Cores	Nominal Conductor Size	Nominal Number and Size of Wires	Nominal O/D	Approx Cable Weight
		mm ²	#/mm	mm	kg/km
A4LD-C002	2	0.75	24/0.20	5.2	43
A4LD-C003	3	0.75	24/0.20	5.5	51
A4LD-C004	4	0.75	24/0.20	6.0	64
A4LD-C005	5	0.75	24/0.20	6.6	78
A4LD-C007	7	0.75	24/0.20	7.2	99
A4LD-C010	10	0.75	24/0.20	9.5	150
A4LD-C012	12	0.75	24/0.20	9.5	161
A4LD-C018	18	0.75	24/0.20	11.3	237
A4LD-C025	25	0.75	24/0.20	13.6	321
AL4E-C002	2	1.0	32/0.20	5.5	51
A4LE-C003	3	1.0	32/0.20	5.9	62
A4LE-C004	4	1.0	32/0.20	6.5	77
A4LE-C005	5	1.0	32/0.20	7.1	95
A4LE-C007	7	1.0	32/0.20	7.8	121
A4LE-C010	10	1.0	32/0.20	10.3	184
A4LE-C012	12	1.0	32/0.20	10.3	198
A4LE-C018	18	1.0	32/0.20	12.2	298
A4LE-C025	25	1.0	32/0.20	14.8	396
A4LF-C002	2	1.5	30/0.25	6.1	64
A4LF-C003	3	1.5	30/0.25	6.4	78
A4LF-C004	4	1.5	30/0.25	7.1	99
A4LF-C005	5	1.5	30/0.25	7.8	122
A4LF-C007	7	1.5	30/0.25	8.5	156
A4LF-C010	10	1.5	30/0.25	11.4	237
A4LF-C012	12	1.5	30/0.25	11.4	257
A4LF-C018	18	1.5	30/0.25	13.5	379
A4LF-C025	25	1.5	30/0.25	16.4	517

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Anixter Number	Number of Cores	Nominal Conductor Size	Nominal Number and Size of Wires	Nominal O/D	Approx Cable Weight
		mm ²	#/mm	mm	kg/km
A4LG-C002	2	2.5	50/0.25	7.0	92
A4LG-C003	3	2.5	50/0.25	7.5	114
A4LG-C004	4	2.5	50/0.25	8.2	145
A4LG-C005	5	2.5	50/0.25	9.1	180
A4LG-C007	7	2.5	50/0.25	10.0	232
A4LG-C010	10	2.5	50/0.25	13.4	352
A4LG-C012	12	2.5	50/0.25	13.4	386
A4LG-C018	18	2.5	50/0.25	15.9	571
A4LG-C025	25	2.5	50/0.25	19.3	780
A4LH-C002	2	4.0	56/0.30	8.2	133
A4LH-C003	3	4.0	56/0.30	8.7	169
A4LH-C004	4	4.0	56/0.30	9.6	215
A4LH-C005	5	4.0	56/0.30	10.6	268
A4LH-C007	7	4.0	56/0.30	11.7	348
A4LGA-C002	2	6.0	84/0.30	9.4	185
A4LGA-C003	3	6.0	84/0.30	10.0	237
A4LGA-C004	4	6.0	84/0.30	11.1	303
A4LGA-C005	5	6.0	84/0.30	12.3	378
A4LGA-C007	7	6.0	84/0.30	13.5	494

Larger core counts and cables having coloured cores also available.