

ENHANCED FIRE SAFETY MULTICORE AUXILIARY CABLE

STANDARD: BS 6724

VOLTAGE RATING: 600/1000V

APPLICATION:

Industrial wiring for remote control and telemetry circuits etc. where smoke and acid gas emission would pose a major hazard in the event of fire. Can be laid direct in the ground, or in ducts, clipped to surface, on trays or in free air. May be embedded in concrete.

CONSTRUCTION:

Multi-core cables. Stranded plain copper conductors, XLPE insulated, cores laid up, extruded Zero Halogen, Low Smoke (OHLS®) bedding, galvanised steel wire armoured and Zero Halogen Low Smoke (OHLS®) sheathed.

CORE COLOURS: White with Black numerals.

SHEATH COLOURS: Black. Other colours available to order.

BASEC: Certified

MINIMUM BENDING RADIUS: 6D

MAXIMUM CONDUCTOR TEMPERATURE: 90°C.

Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature (see regulation 512-1-2 of BS7671, the 17th Edition of IEE Wiring Regulations).

CURRENT RATING: Available upon request.

FIRE PERFORMANCE CHARACTERISTICS:

Smoke emission: BS EN 61034

Acid gas emission: IEC 60754-1, BSEN 50267

Flame propagation: BSEN 60332-1, BSEN 60332-3 categories A and C
BSEN 50266 Categories C & A.



Number of cores	Reference number	Nominal area of conductor mm ²	Approx. diameter under armour mm	Approx. diameter over armour mm	Approx. overall diameter mm	Approx. nett weight kg/km
Five	6945LS7W	1.5	9.5	11.3	14.3	420
		2.5	11.2	13.0	16.1	520
		4.0	12.7	15.2	17.8	750
Seven	6947LS7W	1.5	10.2	12.1	15.2	470
		2.5	12.3	14.1	17.1	600
		4.0	14.0	16.5	19.7	890
Twelve	69412LS7W	1.5	13.7	16.2	19.4	780
		2.5	16.3	18.8	22.4	1000
		4.0	19.1	22.2	25.7	1410
Nineteen	69419LS7W	1.5	16.2	18.7	22.2	1000
		2.5	19.9	23.1	26.6	1540
		4.0	22.5	25.7	29.3	1830
Twenty-seven	69427LS7W	1.5	20.0	23.2	26.7	1500
		2.5	24.0	27.2	30.7	1950
		4.0	27.5	30.7	34.4	2500
Thirty-seven	69437LS7W	1.5	22.3	25.5	29.0	1800
		2.5	26.9	30.1	33.8	2350
		4.0	31.0	35.0	39.2	3100
Forty-eight	69448LS7W	1.5	25.4	28.6	32.7	2050
		2.5	31.0	35.0	39.3	3100
		4.0	35.3	39.3	44.1	4100