

**FR-SH – FIREZERO - MULTICORE ... BS 7629-1... 300/500 V
(ENHANCED)
HALOGEN-FREE, MULTICORE SCREENED FIRE CABLES**



APPLICATION: These enhanced type fire resistant and halogen free screened cables are especially meet the standard requirements for Fire Detection and Alarm Systems in BS 5839-1:2002 and codes of Practice for Emergency Lighting in BS 5266-1. These cables are intended primarily for use in fire alarm and emergency lighting to satisfy the system circuit integrity. And also screen provides protection against external pulses. These cables are used at schools, airports, hospitals, etc. and in the environments which have no corrosive gases are emitted in the event of fire. In case of fire, these cables inhibit the propagation of the flames whereby the development of smoke is extremely low. These cables are not intended for outdoor or underground installation.

CABLE DESIGN

Conductor	: Copper wire ,plain, solid-core or stranded BS 6360 Cls. 1&2, BS EN 60228 Cls. 1&2
Insulation	: Halogen-free elastomer comp., BS 7655, E12
Core identification	: According to BS 7629-1, colour coded
Lay-up	: Cores laid up in layers of optimum pitch
Wrapping	: *Fiber glass textile tape
Screen	: With tinned copper drain wire under the *AL-PES (aluminium polyester) tape
Outer sheath	: *LSZH compound, LST3, BS 7655
Sheath colour	: RAL 3000, Red

LSZH : Low Smoke Zero Halogen

* Enhanced structure

TECHNICAL DATA

Standard	: BS 7629-1
Insulation resistance	: Min. 300 MΩ.km
Mutual Capacitance (800 Hz)	: mm ² 1,0 1,5 2,5 4 mm ² d/d-c/c 100 100 130 160 pF/m d/e-c/s 170 190 220 270 pF/m
Rated voltage U _o /U	: 300 / 500 kV
Test voltage (AC 50 Hz)	: 2000 V
Çalışma sıcaklığı	: - 40 °C ~ + 90 °C
Min. bükülme yarıçapı	: 6 x D
Duman yoğunluğu testi	: IEC 61034-2 & BS EN 61034-2
Halojensizlik özelliği testi	: IEC60754-1/2 & BS EN 50267-2
Alev testi	: IEC 60332-1 & BS EN 50265-2-1 IEC 60332-3 & BS EN 50266-2-4
Izolasyon devamlılığı	: IEC 60331-21
Mek. darbeli yangına dayanım	: *BS EN 50200; PH120 (Enhanced)
Devrenin devamlılığı	: *BS 5839-1:2002 / 26.2e *BS 6387 C, W & Z (Enhanced)

Cross Sections

Part-number	No. of cores x Cross section (mm ²)	Approx. Outer Diameter (mm)	Copper Weight (Kg/km)	Approx. Cable Weight (Kg/km)
1924 13 002	2x1	9,0	29	95
1924 13 003	3x1	9,4	38	110
1924 13 004	4x1	10,4	48	130
1924 13 005	7x1	12,0	77	185
1924 15 002	2x1,5	10,2	43	120
1924 15 003	3x1,5	10,7	57	145
1924 15 004	4x1,5	11,8	72	175
1924 15 007	7x1,5	12,8	115	245
1924 15 012	12x1,5	16,5	172	370
1924 15 019	19x1,5	18,3	288	560

Part-number	No. of cores x Cross section (mm ²)	Approx. Outer Diameter (mm)	Copper Weight (Kg/km)	Approx. Cable Weight (Kg/km)
1924 16 002	2x2,5	11,8	72	165
1924 16 003	3x2,5	12,2	96	220
1924 16 004	4x2,5	13,6	120	270
1924 16 007	7x2,5	16,7	192	365
1924 16 012	12x2,5	21,8	312	600
1924 16 019	19x2,5	25,9	480	895
1924 17 002	2x4	13,1	115	260
1924 17 003	3x4	14,8	153	330
1924 17 004	4x4	16,1	192	405