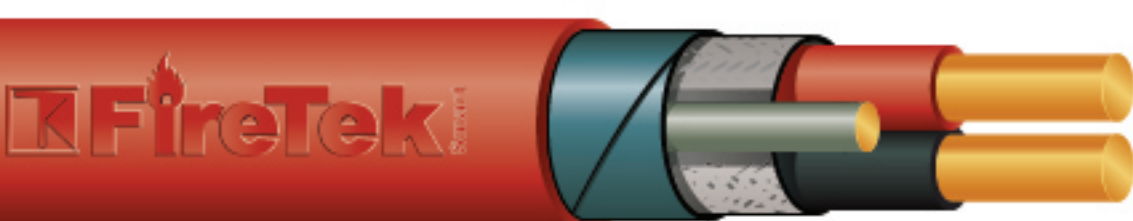


Silicone Insulation / Overall Screen

Solid & Stranded conductor

LSOH

Drain Wire



Civil Defence Approved



LPCB Ref No: 1517c/01
LPCB Ref No: 1517b/03

APPLICATIONS

- Alarm Systems
- Emergency lighting
- Building management systems
- Public address systems
- Shopping centres
- Hospitals
- Airports
- Oil and gas fields
- Marine
- Education centres
- Public entertainment centres
- Signal & instrumentation cable

CABLE CONSTRUCTION

Conductors

Plain annealed copper wire, solid class 1 or stranded class 2 according to EN 60228.

Insulation

High performance fire resistant silicone rubber type EI2 to BS EN 50363-1.

Cabling

Insulated cores are cabled together with FR tape.

Overall screen

Aluminium/polyester tape.

D/W (Drain Wire)

Tinned copper wire as per EN 60228 of same class & of 0.5mm² size.

Outer sheath

LSZH thermoplastic material type LTS 1-LTS 4 according BS 7655. Colour red or white.

Operating temperature

-25°C to +90°C

COLOUR CODE UP TO 5 CORES

- 2 cores: ● ●
3 cores: ● ● ●
4 cores: ● ● ● ●
5 cores: ① ② ③ ④ ⑤

BS 6387

Cat. C fire @ 950°C - 180 min (3hrs)

Cat. W fire 15 min + fire and water spray + 15 min.

Cat. Z fire and mechanical shocks @ 950°C - 15 min.fire

EN 61034-2 Reduce smoke density

EN 60754-1 Zero Halogen and gas content

BS EN 50200 (Class PH120)

830°C fire and mechanical shocks

IEC 60331-21

APPLICABLE STANDARDS

Fire resistant

BS 6387 (cat. C-W-Z)

EN 50200 PH120

IEC 60331-21

Flame retardant

EN 60332-1-2

IEC 60332-3 cat. A,B &C

Acid gas emission

EN 60754-1

EN 60754-2

Smoke density

EN 61034-2

N° of cores. x size	Size of conductors (n°/mm)	Approx. Outer diameter (mm)	Approx. Net Weight (kg/km)
1.5 mm² solid			
2x1.5	1/1.38	7.8	75
3x1.5	1/1.38	8.3	105
4x1.5	1/1.38	9.2	130
5x1.5*	1/1.38	10.0	145
2.5 mm² solid			
2x2.5	1/1.78	9.2	100
3x2.5	1/1.78	9.7	130
4x2.5	1/1.78	10.0	165
5x2.5*	1/1.78	11.0	190
1.5 mm² stranded			
2x1.5	7/0.53	8.3	80
3x1.5	7/0.53	8.6	100
4x1.5	7/0.53	9.5	135
5x1.5*	7/0.53	10.3	150
2.5 mm² stranded			
2x2.5	7/0.67	9.5	135
3x2.5	7/0.67	10.0	145
4x2.5	7/0.67	11.0	185
5x2.5*	7/0.67	12.0	215
4.0 mm² stranded			
2x4	7/0.85	10.8	170
3x4	7/0.85	11.2	215
4x4	7/0.85	12.0	265
5x4*	7/0.85	13.0	290

Cables with cross section 0.5, 0.75, 1.0 sqmm can be supplied on request. Please contact Tech Dpt. for further information on characteristics.

*Contact Tech Dpt.

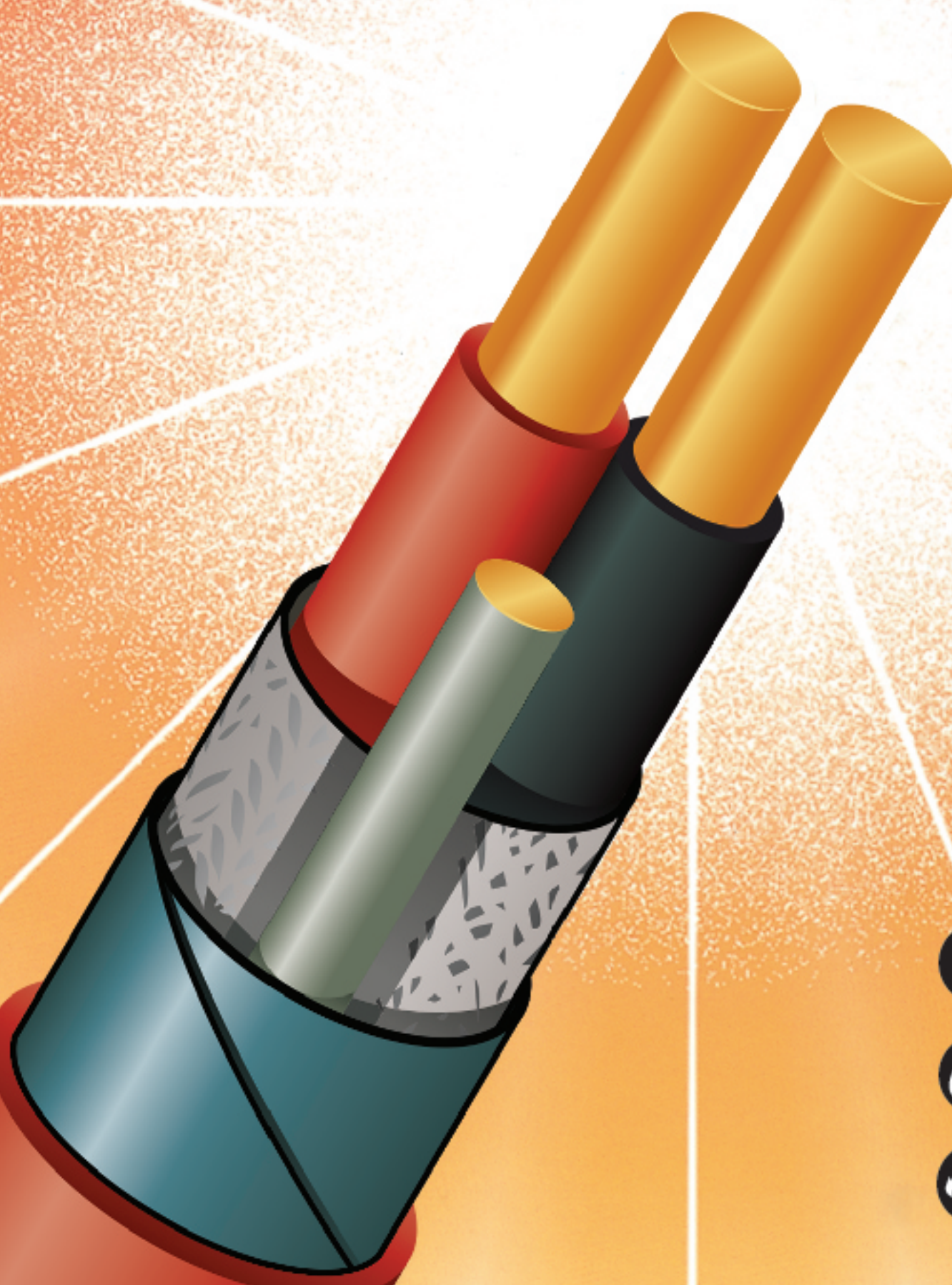
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FiretekTM SMART

PERFORMANCE UNDER FIRE CONDITIONS



-  FIRE RESISTANCE
-  FIRE AND WATER RESISTANCE
-  FLAME RETARDANT
-  FIRE RESISTANCE WITH MECHANICAL SHOCKS
-  LOW SMOKE EMISSION
-  ZERO HALOGEN

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