



# Caledonian

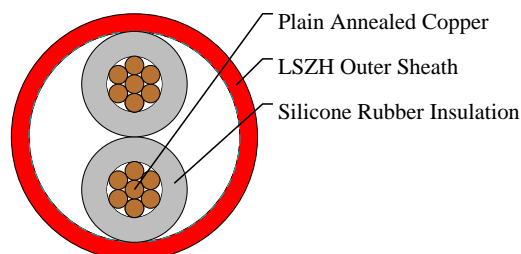
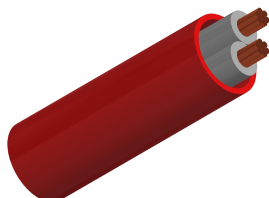
## Airport Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

### FAS (Fire Alarm System) Sounder Cable

FFX200 05SZ1-R 2G1.5 (CU/SR/LSZH 2×1.5mmsq 300/500V class 2)



### APPLICATIONS

The cables are single pair stranded flexible cables sheathed with thermoplastic LSZH compound. The cables have the ability to restrict the propagation of the flame in the event of a fire. This is especially important to slow down the spreading of the fire as the cables may pass from one area to another within a building. Applications can be found in control and power circuits, power stations, underground tunnels, lifts, escalators, and high-rise buildings.

### FIRE PERFORMANCE

|                           |  |
|---------------------------|--|
| Basic design              | BS 7629-1  |
| Halogen Free              | IEC 60754-1  |
| No corrosive gas emission | IEC 60754-2  |
| Minimum Smoke Emission    | IEC 61034/1/2  |
| Reduced Fire Propagation  | IEC 60332-3C / NF C 32-070-2.2 (C1)                      |
| Flame Retardance          | IEC 60332-1 / NF C 32-070-2.1 (C2)                       |
| Fire Resistance           | IEC 60331 / BS 5839-1 Clause 26 2d / NF C 32070-2.3(CR1) |

### VOLTAGE RATING

300/500V

### CABLE CONSTRUCTION

Conductor: Plain annealed copper wire, stranded according to IEC(EN) 60228 class 2.

Insulation: Fire resistant silicone rubber compound type EI2 as per BS 7655-1.1

Outer Sheath: Thermoplastic LSZH compound type LTS3 as per BS 7655-6.1.

### PHYSICAL AND THERMAL PROPERTIES

Temperature range during operation (fixed state): -30°C – +90°C

Temperature range during installation (mobile state): -20°C – +50°C

Minimum bending radius: 8 × Overall Diameter

### Electrical Properties



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Dielectric test: 2000 V r.m.s. x 5' (core/core)

Insulation resistance: 300 MΩ x km (at 20°C)

Short circuit temperature: 350°C

### DIMENSION AND PARAMETERS

| No. of Cores | Nominal Cross-sectional Area | No./Nominal Diameter of Strands | Nominal Insulation Thickness | Nominal Sheath Thickness | Nom. Overall Diameter | Approx. Weight |
|--------------|------------------------------|---------------------------------|------------------------------|--------------------------|-----------------------|----------------|
|              | mm <sup>2</sup>              | no./mm                          | mm                           | mm                       | mm                    | kg/km          |
| 2            | 1.5                          | 7/0.53                          | 0.7                          | 0.5                      | 7.4                   | 70             |



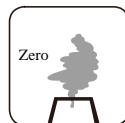
BS 7629-1



Fire Resistant  
IEC 60331-21



Flame Retardant  
NF C32-070-2-1 (C2)  
IEC 60332-1-2/EN 50265-2-1



Halogen Free  
IEC 60754-1



Low Corrosivity  
IEC 60754-2/EN 50267-2-2/3  
NF C32-074/NF C20-453



Low Smoke Emission  
IEC 61034-2-1/EN 50268-2  
NF C32-073/NF C 20-902



Reduced Fire Propagation  
NF C32-070-2-2 (C1)  
IEC 60332-3-24/EN 50266-2-4