Caledonian
Airport Cables
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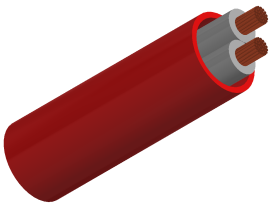
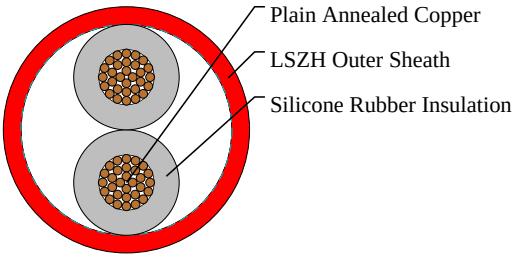
FAS (Fire Alarm System) Detector Cable

FFX200 05SZ1-F 1P1.5 (CU/SR/LSZH 1×2×1.5mmsq 300/500V class 5)





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 5.
Insulation: Fire resistant silicone rubber compound type EI2 as per BS 7655-1.1
Twisting: Cores are twisted into pairs with varying lay length to minimize crosstalk.
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

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Electrical Properties

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 Pairs	Nominal Cross-sectional Area	No./Nominal Diameter of Strands	Nominal Insulation Thickness	Nominal Sheath Thickness	Nom. Overall Diameter	Approx. Weight
	mm²	no./mm	mm	mm	mm	kg/km
1	1.5	30/0.25	0.7	0.5	7.5	60

BS 7629-1


Fire Resistant
IEC 60331-21


Flame Retardant
NF C32-070-2.1(C2)
IEC60332-1-2/EN50265-2-1

Halogen Free
IEC 60754-1


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


Reduced Fire Propagation
NF C32-070-2.2(C1)
IEC60332-3-24/EN50266-2-4