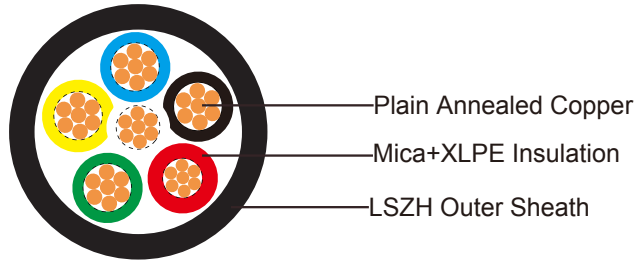




## BMS (Building Management System) Temperature Control Cable FFX200 05mRZ1-R/F 6G0.5

FFX200 05mRZ1-R 6G0.5 (CU/MGT+XLPE/LSZH 6×0.5mmsq 300/500V class 2)

FFX200 05mRZ1-F 6G0.5 (CU/MGT+XLPE/LSZH 6×0.5mmsq 300/500V class 5)



### APPLICATIONS

The cables are multicore 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.

### STANDARDS

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 32070-2.2 (C1)
Flame Retardance	IEC 60332-1 / NF C 32-070-2.1 (C2)
Fire Resistance	IEC 60331 / 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 or class 5.

**Insulation:** Mica glass tape covered by extruded cross-linked XLPE compound.

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

## ELECTRICAL PROPERTIES

Dielectric test:	2000 V r.m.s. x 5' (core/core)
Insulation resistance	1000 MΩ x km (at 20°C)
Short circuit temperature	250°C

## 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

## CONSTRUCTION PARAMETERS

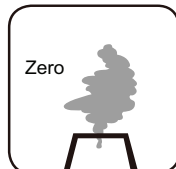
FFX200 05mRZ1-R 6G0.5

FFX200 05mRZ1-F 6G0.5

No. of core	Nominal Cross Sectional Area	Number & Nominal Diameter of Strands	Nominal Insulation Thickness	Nominal Sheath Thickness	Nominal Overall Diameter	Approx. Weight
	mm <sup>2</sup>	No/mm	mm	mm	mm	kg/km
6	0.5	7/0.31	0.5	0.5	2.9	61
6	0.5	16/0.2	0.5	0.5	2.9	61



Standard



Halogen Free  
IEC60754-1/  
EN50267-2-1



Low Corrosivity  
IEC60754-2  
EN50267-2-2/3  
NF C 32-074



Low Smoke Emission  
IEC 61034-1&2  
EN 50268-1&2/NF C32-074



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



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



Fire Resistance  
IEC 60331  
/NF C 32070-2.3(CR1)