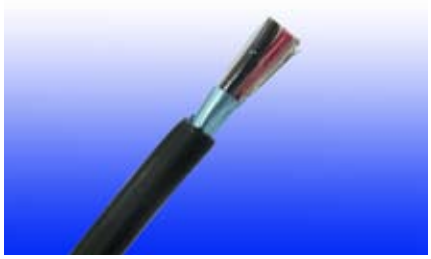
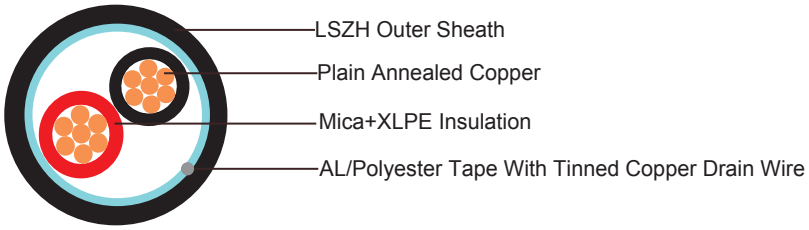
BMS (Building Management System)

Analog Signal Cable FFX200 05mROZ1-R/F 2G1.0

FFX200 05mROZ1-R 2G1.0 (CU/MGT+XLPE/OSCR/LSZH 2×1.0mmsq 300/500V class 2)

FFX200 05mROZ1-F 2G1.0 (CU/MGT+XLPE/OSCR/LSZH 2×1.0mmsq 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

Conductors: Plain annealed copper wire, stranded according to EN 60228 class 2 or class 5.
Insulation: Mica glass tape covered by extruded cross-linked XLPE compound.
Cable Elements: Insulated cores are twisted to form pairs.
Cabling: Pairs are cabled together.
Overall Screen: Aluminum/polyester tape with copper drain wire.
Outer Sheath: Thermoplastic LSZH compound.

COLOUR CODE

Insulation Colour: According to IEC 60189-2 (other colour code on request).
Sheath Colour: Colour red (other colours on request).

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 05mROZ1-R 2G1.0
FFX200 05mROZ1-F 2G1.0

No.of core	Nominal Cross Sectional Area	Number & Nominal Diameter of Strands	Nominal Insulation Thickness	Nominal Sheath Thickness	Nominal Overall Diameter	Approx. Weight
	mm^2	No/mm	mm	mm	mm	kg/km
2	1.0	7/0.44	0.6	0.8	7.2	64
2	1.0	32/0.2	0.6	0.8	7.2	64

Standard

Halogen Free
IEC60754-1


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


Low Smoke Emission
IEC 61034-1&2
EN 50268-1&2/NF C32-073


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)