



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB FS Multipair Individual & Overall Shielded cable is suitable to use in various indoor & outdoor applications where signal transmission during the event of fire, is highly essential and corrosive gas evaluation could be a cause of hazard to the people in high rise building, schools, hospitals, hotels, Malls, Subways etc.

CHARACTERISTICS

Voltage Rating

300/500V AC

Operation Temperature

-40°C to +90°C

Bending Radius

Min. 12 x Overall Diameter

Test Voltage

2000 V AC at (20±5)°C

CONSTRUCTION

- Annealed plain stranded copper conductor as per IEC 60228, Class-2.
- Mica Glass flame barrier tape.
- Extruded XLPE insulation.
- Insulated Cores twisted to form pairs
- Al.Mylar Tape Individual Shielded in contact with Drain wire
- Shielded Pairs assembled together
- Al.Mylar Tape Overall Shielded in contact with Drain wire
- Extruded LSZH Outer Sheath, Colour: Red or White (other colour as per request).

Core Identification

- Colour Coding or Number Printing

OUTSTANDING FEATURES

- High Resistant to Fire
- Reduced Flame Propagation
- Circuit Integrity when exposed to Fire
- Low Toxicity
- Fire Barrier

STANDARD FOLLOWS

EN 60228:2005

Generally conforming to BS 7629-1:2015

COMPLIANCE

Fire Resistant	EN 50200 PH 120
Flame Propagation	EN 60332-1-2
Fire Retardant	EN 60332-3-24 (Cat.C)
Halogen free material	EN 60754-1
Smoke Density	EN 61034-2
Toxicity	NES 02-713

OUR ACCREDITATIONS



APPROVAL



DIMENSIONS AND WEIGHTS:

Product code	No. of Pairs	No. of Cores	Cross Sectional Area (mm ²)	Min. Insulation Thickness (mm)	Approx. Cable Overall Dia. (mm)	Cable Weight Approx. (kg / km)
FSBS04CXUALS001P0.5SA001P	1	2	0.5	0.45	6.7	60
FSBS04CXUALS002P0.5SA001P	2	4	0.5	0.45	10.8	120
FSBS04CXUALS001P.75SA001P	1	2	0.75	0.45	7.1	70
FSBS04CXUALS002P.75SA001P	2	4	0.75	0.45	11.5	135
FSBS04CXUALS001P1.0SA001P	1	2	1	0.45	7.5	80
FSBS04CXUALS002P1.0SA001P	2	4	1	0.45	12.1	155
FSBS04CXUALS001P1.5SA001P	1	2	1.5	0.45	8.1	95
FSBS04CXUALS002P1.5SA001P	2	4	1.5	0.45	13.4	190
FSBS04CXUALS001P2.5SA001P	1	2	2.5	0.5	9.2	120
FSBS04CXUALS002P2.5SA001P	2	4	2.5	0.5	14.8	265

ELECTRICAL CHARACTERISTICS:

Cross Sectional Area (mm ²)	Conductor Resistance (Ohms/Km) Single pair	Conductor Resistance (Ohms/Km) Multi pair	Insulation Resistance (MOhms-Km)	Approx. Capacitance (nF/km)	Approx. Inductance to Resistance ratio, L/R (μH/Ohm)
0.5	36	36.7	1000	150	25
0.75	34.5	35.2	1000	150	25
1	18.1	18.5	1000	150	25
1.5	12.1	12.3	1000	150	40
2.5	7.41	7.56	1000	150	40