



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB FS Multipair Shielded Armoured cable is suitable to use in various indoor & outdoor applications where signal transmission during emergency services 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. 15 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 and assembled together.
- Al.Mylar Tape Overall Shielded in contact with Drain wire
- Extruded LSZH Inner Sheath
- Galvanised Steel Wire Armoured
- Extruded LSZH Outer Sheath, Colour: Black. (other colour as per request).

### Core Identification

- Colour Coding or Number Printing

As per BS EN 50288-7

## 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	IEC 60331-23
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 <sup>2</sup> )	Min. Insulation Thickness (mm)	Dia. over Armour (mm)	Approx. Cable Overall Dia. (mm)	Cable Weight Approx. (kg / km)
FSBS04CXSWLS001P.75SA001P	1	2	0.75	0.44	9.3	12.2	290
FSBS04CXSWLS002P.75SA001P	2	4	0.75	0.44	12.9	15.7	470
FSBS04CXSWLS005P.75SA001P	5	10	0.75	0.44	16.1	20.8	665
FSBS04CXSWLS010P.75SA001P	10	20	0.75	0.44	23.1	26.2	1085
FSBS04CXSWLS015P.75SA001P	15	30	0.75	0.44	26.3	30.6	1440
FSBS04CXSWLS020P.75SA001P	20	40	0.75	0.44	30	34.3	1820
FSBS04CXSWLS001P1.0SA001P	1	2	1	0.44	9.7	12.6	315
FSBS04CXSWLS002P1.0SA001P	2	4	1	0.44	13.5	17.4	510
FSBS04CXSWLS005P1.0SA001P	5	10	1	0.44	17.8	22.4	810
FSBS04CXSWLS010P1.0SA001P	10	20	1	0.44	24.3	28.3	1275
FSBS04CXSWLS015P1.0SA001P	15	30	1	0.44	28.4	32.6	1705
FSBS04CXSWLS020P1.0SA001P	20	40	1	0.44	31.5	36.2	2045
FSBS04CXSWLS001P1.5SA001P	1	2	1.5	0.44	10.3	13.4	345
FSBS04CXSWLS002P1.5SA001P	2	4	1.5	0.44	14.7	18.7	585
FSBS04CXSWLS005P1.5SA001P	5	10	1.5	0.44	19.2	24	940
FSBS04CXSWLS010P1.5SA001P	10	20	1.5	0.44	26.4	30.8	1525
FSBS04CXSWLS015P1.5SA001P	15	30	1.5	0.44	30.9	35.4	2040
FSBS04CXSWLS020P1.5SA001P	20	40	1.5	0.44	34.6	39.8	2595

**ELECTRICAL CHARACTERISTICS:**

Cross Sectional Area (mm <sup>2</sup> )	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)
0.75	34.5	35.2	1000	150	25
1	18.1	18.5	1000	150	25
1.5	12.1	12.3	1000	150	40