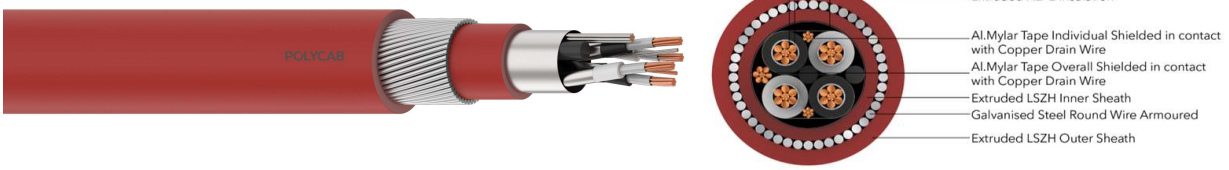
POLYCAB IGNIS 215
Fire Survival Cable, 300/500 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB FS Multipair Individual & Overall 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
- 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 Inner Sheath
- Galvanised Steel Round Wire Armoured
- Extruded LSZH Outer Sheath, Colour: Red or White (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	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

NABL

APPROVAL

FQC CE LPCB LPCB ref. 1628a/01

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POLYCAB
IDEAS. CONNECTED.

DIMENSIONS AND WEIGHTS:

Product code	No. of Pairs	No. of Cores	Cross Sectional Area (mm^2)	Min. Insulation Thickness (mm)	Dia. over Armour (mm)	Approx. Cable Overall Dia. (mm)	Cable Weight Approx. (kg / km)
FSBS04CXSWLS001P0.5SA001P	1	2	0.5	0.45	8.5	11.3	265
FSBS04CXSWLS002P0.5SA001P	2	4	0.5	0.45	12.6	15.6	430
FSBS04CXSWLS001P.75SA001P	1	2	0.75	0.45	9.1	11.9	290
FSBS04CXSWLS002P.75SA001P	2	4	0.75	0.45	13.3	16.3	465
FSBS04CXSWLS001P1.0SA001P	1	2	1	0.45	9.5	12.3	305
FSBS04CXSWLS002P1.0SA001P	2	4	1	0.45	13.9	16.9	500
FSBS04CXSWLS001P1.5SA001P	1	2	1.5	0.45	10.1	12.9	340
FSBS04CXSWLS002P1.5SA001P	2	4	1.5	0.45	15.2	18.4	575
FSBS04CXSWLS001P2.5SA001P	1	2	2.5	0.5	10.9	14	370
FSBS04CXSWLS002P2.5SA001P	2	4	2.5	0.5	16.7	19.9	665

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