

IGNIS 213

FIRE SURVIVAL MULTIPAIR CABLE

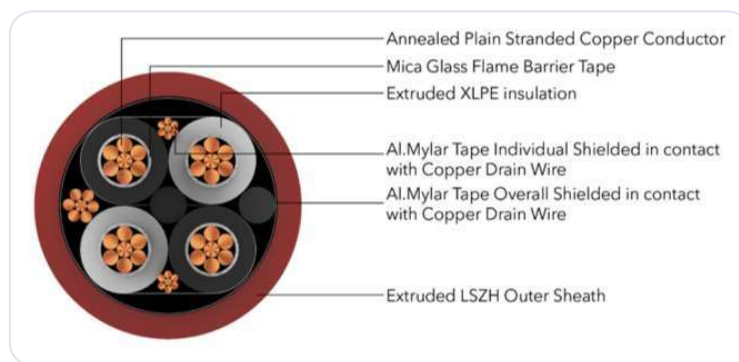
300/500 V AC

XLPE / LSZH

1 & 2 PAIR · 0.5-2.5 SQMM

INDIVIDUAL + OVERALL SCREEN

MICA GLASS FIRE BARRIER



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES 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.

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

OUTER SHEATH COLOUR Red or White

CHARACTERISTICS

Voltage Rating	300/500 V AC
Operation Temperature	-40°C to +90°C
Bending Radius	Min. 12 x Overall Diameter
Test Voltage	2000 V AC at (20±5)°C

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



EN 60332-3-24 (Cat.C)

FIRE SURVIVAL · MULTIPAIR INDIVIDUAL & OVERALL SHIELDED · 300/500 V AC

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PRODUCT CODES

CONSTRUCTION	INDO CABLES ITEM CODE	ITEM ID
1 Pair 0.5 sq.mm	IC-FS-1P-00050-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006472
2 Pair 0.5 sq.mm	IC-FS-2P-00050-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006473
1 Pair 0.75 sq.mm	IC-FS-1P-00075-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006474
2 Pair 0.75 sq.mm	IC-FS-2P-00075-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006475
1 Pair 1.0 sq.mm	IC-FS-1P-00100-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006476
2 Pair 1.0 sq.mm	IC-FS-2P-00100-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006477
1 Pair 1.5 sq.mm	IC-FS-1P-00150-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006478
2 Pair 1.5 sq.mm	IC-FS-2P-00150-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006479
1 Pair 2.5 sq.mm	IC-FS-1P-00250-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006480
2 Pair 2.5 sq.mm	IC-FS-2P-00250-CU-2XL-FS2XH-0300-IS17505P1-IOSC-ZHFR	IC1006481

All ten items are **DRAFT** and were **derived from the code structure** — none of the ten exists in the Item Master. Line FS, pair counts 1P / 2P, sizes 00050–00250, conductor CU, insulation 2XL, designation FS2XH, voltage grade 0300, standard IS17505P1 and options IOSC / ZHFR are all existing register values, but the register carries no FS row with pair cores, with IS17505P1, or at 0300 — the FS line is currently BS7846 only. Each combination needs a row on tab 3 ITEM MASTER before approval. The EN 50200 PH 120 fire class (register value F120) cannot be carried as well — the grammar allows two options only — so it is held in the item description. Item IDs continue the FP-01 to FP-03 block; next free ID after this sheet is IC1006482.

CORE IDENTIFICATION

Colour Coding or Number Printing. Extruded LSZH outer sheath in Red or White; other colours to order.



ISO 9001
Cert. 99 100 22646 (TÜV SÜD)



ISI
Bureau of Indian Standards · CM/L 6200266003



ROHS
Compliant



REACH
Compliant



MAKE IN INDIA
Manufactured in India

FIRE SURVIVAL · MULTIPAIR INDIVIDUAL & OVERALL SHIELDED · 300/500 V AC

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DIMENSIONS AND WEIGHTS

NO. OF PAIRS	NO. OF CORES	CROSS SECTIONAL AREA	MIN. INSULATION THICKNESS	APPROX CABLE OVERALL DIA.	CABLE WEIGHT APPROX.
—	—	mm ²	mm	mm	kg / km
1	2	0.5	0.45	6.7	60
2	4	0.5	0.45	0.8 ^b	120
1	2	0.75	0.45	— ^a	70
2	4	0.75	0.45	— ^a	35 ^d
1	2	1.0 ^e	0.45	7.5	80
2	4	1.0 ^e	0.45	12. ^c	55 ^d
1	2	1.5 ^e	0.45	— ^a	95
2	4	1.5 ^e	0.45	— ^a	90 ^d
1	2	2.5	0.5	9.2	120
2	4	2.5	0.5	14.8	265

The above data is approximate & subject to manufacturing tolerance. The pairs and cores columns carry no values in the source sheet; both are shown from the product code list (two cores per pair).

ELECTRICAL CHARACTERISTICS

mm ²	0hms/Km	0hms/Km	MOhms-Km	nF/km	µH/0hm
0.5	36	36.7	000 ^f	50	25
0.75	34.5	35.2	000 ^f	50	25
1.0 ^e	— ^g	8.5 ^h	000 ^f	50	25
1.5 ^e	12. ^c	12.3	000 ^f	50	40
2.5	7.4	7.56	000 ^f	50	40

FLAGGED — SOURCE VALUES REPRODUCED AS WRITTEN, CONFIRMATION REQUIRED

- ^a No overall diameter in the source row.
- ^b Reads 0.8 mm; a two-digit value is expected here.
- ^c Reads 12. — trailing digit missing.
- ^d Weight is below the 1-pair row above it.
- ^e Area absent from the source table; taken from the product code.
- ^f Reads 000 MOhms-Km on every row.
- ^g No single-pair resistance in the source row.
- ^h 8.5 is out of sequence with the rows either side.