

IGNIS 215

FIRE SURVIVAL MULTIPAIR ARMoured CABLE

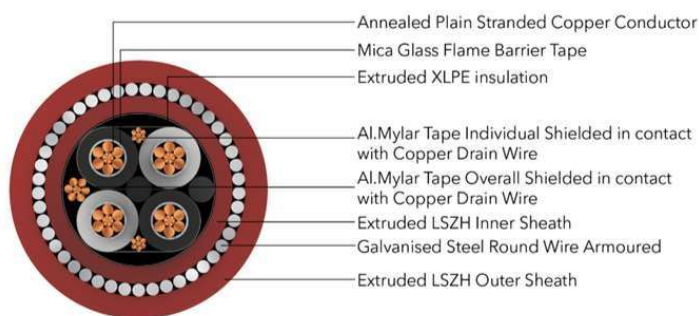
300/500 V AC

XLPE / LSZH

1 & 2 PAIR · 0.5-2.5 SQMM

INDIVIDUAL + OVERALL SCREEN

GALVANISED STEEL ROUND WIRE ARMOUR



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES FS Multipair Individual and overall shielded Armoured cable is suitable to use in various indoor and outdoor applications where signal transmission during emergency services during 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 Inner Sheath
- Galvanised Steel Round Wire Armoured
- Extruded LSZH Outer Sheath, Colour: Red or White (other colour as per request).

CHARACTERISTICS

Voltage Rating	300/500 V AC
Operation Temperature	-40°C to +90°C
Bending Radius	Min. 15 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

CORE IDENTIFICATION

Colour Coding or Number Printing — as



Cert. 99 100 22646 (TÜV SÜD)



Bureau of Indian Standards · CM/L 6200266003

OUTER SHEATH

Red or White


 Resistant
Compliant
Flame Propagation

 REACH
Compliant

 MADE IN INDIA
Manufactured in India

EN 60200 PH 120

EN 60332-1-2

FIRE SURVIVAL · MULTIPAIR SHIELDED ARMoured · 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-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006498
2 Pair 0.5 sq.mm	IC-FS-2P-00050-CU-2XL-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006499
1 Pair 0.75 sq.mm	IC-FS-1P-00075-CU-2XL-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006500
2 Pair 0.75 sq.mm	IC-FS-2P-00075-CU-2XL-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006501
1 Pair 1.0 sq.mm	IC-FS-1P-00100-CU-2XL-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006502
2 Pair 1.0 sq.mm	IC-FS-2P-00100-CU-2XL-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006503
1 Pair 1.5 sq.mm	IC-FS-1P-00150-CU-2XL-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006504
2 Pair 1.5 sq.mm	IC-FS-2P-00150-CU-2XL-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006505
1 Pair 2.5 sq.mm	IC-FS-1P-00250-CU-2XL-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006506
2 Pair 2.5 sq.mm	IC-FS-2P-00250-CU-2XL-FS2XWH-0300-IS17505P1-IOSC-ZHFR	IC1006507

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 FS2XWH (mica + XLPE, steel wire armour, LSZH sheath), 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 at 1100 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 FC-06 block; next free ID after this sheet is IC1006508.

CORE IDENTIFICATION

Colour Coding or Number Printing, as per BS EN 50288-7. Extruded LSZH outer sheath in Red or White; other colours to order.

ARMOUR

Galvanised steel round wire armour applied over the extruded LSZH inner sheath. Diameter over armour is listed for every size on page 3.



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 SHIELDED ARMoured · 300/500 V AC

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DIMENSIONS AND WEIGHTS

NO. OF PAIRS	NO. OF CORES	CROSS SECTIONAL AREA	MIN. INSULATION THICKNESS	DIA. OVER ARMOUR	APPROX CABLE OVERALL DIA.	CABLE WEIGHT APPROX.
—	—	mm ²	mm	mm	mm	kg / km
1	2	0.5	0.45	8.5	11.3	265
2	4	0.5	0.45	12.6	15.6	430
1	2	0.75	0.45	9.1	11.9	290
2	4	0.75	0.45	13.3	16.3	465
1	2	1	0.45	9.5	12.3	305
2	4	1	0.45	13.9	16.9	500
1	2	1.5	0.45	10.1	12.9	340
2	4	1.5	0.45	15.2	18.4	575
1	2	2.5	0.5	10.9	14	370
2	4	2.5	0.5	16.7	19.9	665

The above data is approximate & subject to manufacturing tolerance.

ELECTRICAL CHARACTERISTICS

mm ²	Ohms/Km	Ohms/Km	MOhms-Km	nF/km	µH/Ohm
0.5	36	36.7	1000	150	25
0.75	34.5 ^a	35.2 ^a	000 ^c	50 ^d	25
1	18.1	18.5	1000	150	25
1.5	12. ^b	12.3	000 ^c	50 ^d	40
2.5	7.41	7.56	1000	150	40

FLAGGED — SOURCE VALUES REPRODUCED AS WRITTEN, CONFIRMATION REQUIRED

^a 34.5 / 35.2 sit out of sequence between the 0.5 and 1 mm² rows.

^b Reads 12. — trailing digit missing in the source.

^c Reads 000 MOhms-Km; the other three rows read 1000.

^d Reads 50 nF/km; the other three rows read 150.