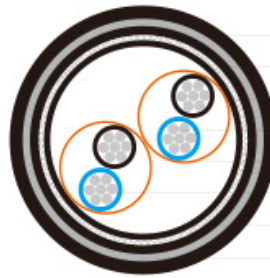


S15 BFOU-HCF(i) 250 V



- Outer Sheath2
- Outer Sheath1
- Armour
- Conductors
- Individual Shielding
- Insulation
- Inner Sheath
- HC-fire protection

Applications :

These cables are fire resistant, flame retardant, low smoke and halogen free, used for emergency instrumentation, communication, control and alarm systems that need to be operational during a 1100°C hydrocarbon fire.

Standards :

- IEC 60092-376
- IEC 60092-351
- IEC 60092-359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2004
- IEC 60331-21

Conductors :

Circular tinned annealed stranded copper wire to IEC 60228 class 2.

Insulation :

Mica tape + Halogen free EPR compound.

Twinning :

Colour coded cores twisted together.

Individual Shielding :

Each pairs/triples are screened by copper backed polyester tape in contact with a stranded tinned copper drain wire and wrapped with polyester tape. Pairs/triples are numbered with numbered tape or by numbers printed directly on the insulated conductors.

Bedding :

Halogen free compound.

Armour :

Tinned copper wire braid.

Outer Sheath1 :

Halogen free thermosetting compound, SHF2.

HC-fire protection :

Extruded thermoplastic fire protection compound.

Taping :

Lapped glass fibre tape.

Outer Sheath2 :

Flame retardant halogen-free thermoplastic compound, type SHF1, coloured grey (blue for intrinsically safe).

Electrical Characteristics :

Nominal Cross Section Area

mm²

1.5

Nominal Conductor Diameter	mm	1.6
Maximum Resistant@20°C	Ω/km	12.9
Mutual Capacitance	nF/km	100
Nominal Inductance@1KHz	MH/km	0.673
Operating Voltage	V	250

Mechanical and Thermal Properties :

Bending Radius : 20×OD (during installation); 12×OD (fixed installed).

Temperature Range : -20°C ~ +90°C.

Dimensions and Weight :

Construction No. of elements×No. of cores in element×Cross section (mm ²)	Nominal Insulation Thickness mm	Nominal Diameter Over Bedding mm	Nominal Diameter Over Sheath1 mm	Nominal Overall Diameter mm	Nominal Weight kg/km
1×2×1.5	0.7	9.0	13.1	39.5	1880
2×2×1.5	0.7	13.0	16.8	44.5	2450
4×2×1.5	0.7	15.0	20.7	47.5	2830
8×2×1.5	0.7	21.0	26.4	54.0	3690
12×2×1.5	0.7	25.0	31.2	63.0	5200