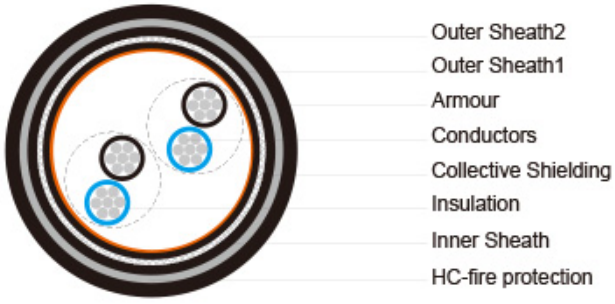
S16 BFOU-HCF(c) 250 V



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℃ 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.
Collective Shielding :	Pairs/triples are layed up and collectively screened by copper backed polyester tape in contact with a stranded tinned copper drain wire. 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℃	Ω/km	12.9
Mutual Capacitance	nF/km	85
Nominal Inductance@1KHz	MH/km	0.667
Operating Voltage	V	250

Mechanical and Thermal Properties :

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

Temperature Range : -20℃ ~ +90℃.

Dimensions and Weight :

Construction No. of elements×No. of cores in element×Cross section (mm²)	Nominal Insulation Thickness mm	Nominal Diameter Over Bedding mm	Nominal Diameter Over Sheath1 mm	Nominal Overall Diameter mm	Nominal Weight kg/km
2×2×1.5	0.7	13.0	16.4	44.5	2400
4×2×1.5	0.7	15.0	19.9	46.5	2650
8×2×1.5	0.7	20.5	25.3	53.0	3570
12×2×1.5	0.7	23.5	29.6	57.0	4160