

SOU SERIES

Standard Performance Fixed LSHF
CBS Shipboard / Offshore Data
Cable 250V 90°C



APPLICATIONS:

Marine For fixed wiring installations on oil and gas rigs, shipboard and other marine applications requiring screened cable for EMC.

Rail or Rolling Stock Suitable for wiring in locomotives, rail cars, buses and coaches.

Small Spaces Lightweight and small-diameter solution compared to braided cables.

PRODUCT FEATURES:

- ▶ Low smoke halogen free
- ▶ PVC free
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

[See over for full product table ▶](#)

CONSTRUCTION:

Conductor Annealed tinned copper stranded (Class 2).

Insulation HF-XLPE X90.

Laying Up Cores in twisted pairs, triples or quads.

Screening Collective shield of aluminium/polyester tape c/w tinned copper stranded drain wire and synthetic tape.

Sheath SHF1 low smoke halogen free.

CHARACTERISTICS:

Operating Temperature Range Fixed -15°C to 75°C.

Maximum Conductor temperature 90°C.

Rated Voltage 250V (RMS) radial thickness sheath (not suitable for mains connection).

Minimum Bending Radius Fixed 8 x cable diameter.

Sheath Colour Grey.

Standard Core Colours Numbered Black and Blue pairs.

Certification Society Approvals Lloyds, Type CHJJP or HFX-OSU-T, YZafc, ABS, BV.

Relevant Standards IEC 60228 CL.2,

IEC 60092-376/350/351/352/353/359, IEC 60332-1,

IEC 60332-3-22, IEC 60754-1/2, IEC 610034-1/2,

CE Directive 2006/95/EC, **RoHS** Compliant.

SOU SERIES continued

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Approx. Weight (Kg/Km)
SOU01/2/0.5	1 PAIR 0.5	7/0.30	6.1	60
SOU02/2/0.5	2 PAIR 0.5	7/0.30	8.9	100
SOU04/2/0.5	4 PAIR 0.5	7/0.30	10.2	130
SOU07/2/0.5	7 PAIR 0.5	7/0.30	12.3	195
SOU10/2/0.5	10 PAIR 0.5	7/0.30	15.0	265
SOU14/2/0.5	14 PAIR 0.5	7/0.30	16.9	350
SOU19/2/0.5	19 PAIR 0.5	7/0.30	19.2	450
SOU24/2/0.5	24 PAIR 0.5	7/0.30	21.4	560
SOU30/2/0.5	30 PAIR 0.5	7/0.30	23.7	660
SOU01/4/0.5	1 QUAD 0.5	7/0.30	7.1	80
SOU01/2/0.75	1 PAIR 0.75	7/0.37	6.4	75
SOU02/2/0.75	2 PAIR 0.75	7/0.37	9.0	135
SOU04/2/0.75	4 PAIR 0.75	7/0.37	11.3	175
SOU07/2/0.75	7 PAIR 0.75	7/0.37	13.4	270
SOU10/2/0.75	10 PAIR 0.75	7/0.37	16.3	370
SOU14/2/0.75	14 PAIR 0.75	7/0.37	18.4	490
SOU19/2/0.75	19 PAIR 0.75	7/0.37	21.1	640
SOU24/2/0.75	24 PAIR 0.75	7/0.37	23.6	800
SOU30/2/0.75	30 PAIR 0.75	7/0.37	26.1	960
SOU01/4/0.75	1 QUAD 0.75	7/0.37	7.3	100
SOU01/2/1.0	1 PAIR 1.0	7/0.43	7.9	75
SOU02/2/1.0	2 PAIR 1.0	7/0.43	10.2	130
SOU04/2/1.0	4 PAIR 1.0	7/0.43	11.9	195
SOU07/2/1.0	7 PAIR 1.0	7/0.43	14.2	320
SOU10/2/1.0	10 PAIR 1.0	7/0.43	17.5	450
SOU14/2/1.0	14 PAIR 1.0	7/0.43	19.5	590
SOU19/2/1.0	19 PAIR 1.0	7/0.43	22.4	760
SOU24/2/1.0	24 PAIR 1.0	7/0.43	25.2	960
SOU30/2/1.0	30 PAIR 1.0	7/0.43	27.7	1180
SOU01/4/1.0	1 QUAD 1.0	7/0.43	7.9	120
SOU01/2/1.5	1 PAIR 1.5	7/0.52	7.8	90
SOU02/2/1.5	2 PAIR 1.5	7/0.52	12.1	160
SOU04/2/1.5	4 PAIR 1.5	7/0.52	14.0	250
SOU07/2/1.5	7 PAIR 1.5	7/0.52	17.2	415
SOU10/2/1.5	10 PAIR 1.5	7/0.52	21.0	590
SOU14/2/1.5	14 PAIR 1.5	7/0.52	23.6	780
SOU19/2/1.5	19 PAIR 1.5	7/0.52	27.2	1010
SOU24/2/1.5	24 PAIR 1.5	7/0.52	30.5	1270
SOU30/2/1.5	30 PAIR 1.5	7/0.52	33.6	1570