



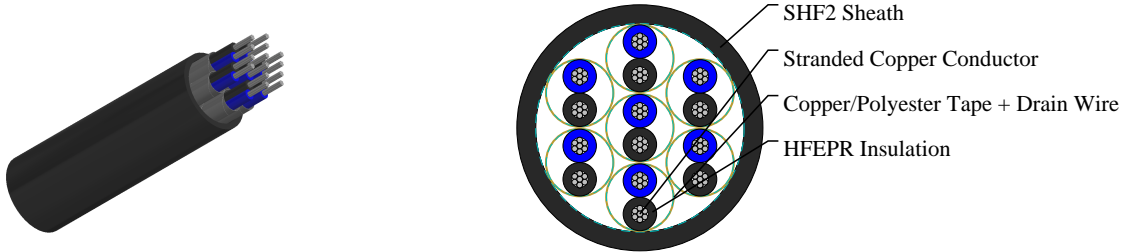
## Caledonian

NEK606 Caledonian Offshore & Marine Cables Instrumentation Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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### S105 (Formerly S11) RU(i)/TU(i) 250 V



### APPLICATIONS

These cables are flame retardant, low smoke, halogen free and mud resistant, used for instrumentation, communication, control and alarm systems.

### STANDARDS

IEC 60092-376  
IEC 60092-360  
IEC 60332-1  
IEC 60332-3-22  
IEC 60754-1,2  
IEC 61034-1,2  
NEK 606:2016

### VOLTAGE RATING

250V

### CABLE CONSTRUCTION

Conductors: Circular tinned annealed stranded copper wire to IEC 60228 class 2 or class 5.

Insulation: Halogen free EPR compound or XLPE.

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.

Outer Sheath: Halogen free thermosetting compound, SHF2, coloured grey (blue for intrinsically safe).

### MECHANICAL PROPERTIES

Bending Radius: 8×OD (during installation); 6×OD (fixed installed)

Temperature Range: -20°C ~ +90°C

### TECHNICAL CHARACTERISTICS

Nom. Cross-Section Area	Nom. Conductor Diameter	Maximum Resistance @20°C	Mutual Capacitance	Nominal Inductance @ 1KHz	Maximum L/R @ 1KHz
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mm <sup>2</sup>	mm	Ohm/km	nF/km	MH/km	μH/Ω
1.0	1.3	19.3	100	0.649	25

## DIMENSION AND PARAMETERS

Construction No. of elements×No. of cores in element×Cross section	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Weight
mm <sup>2</sup>	mm	mm	mm	kg/km
7×2×1.0	0.6	1.4	15.5	475