



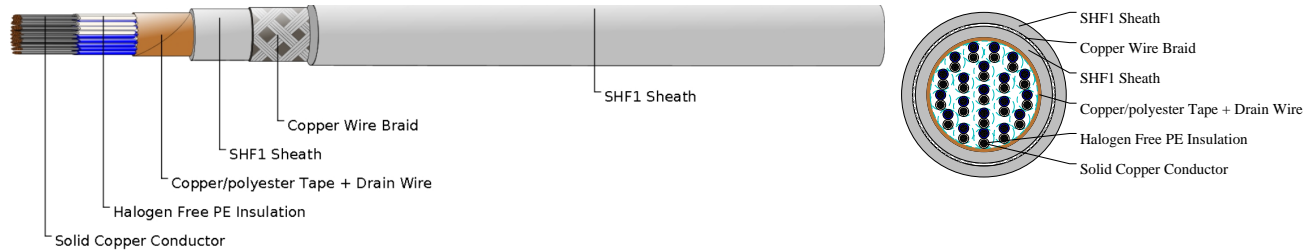
Caledonian

NEK606 Caledonian Offshore & Marine Cables Optical Fibre Cables

www.caledonian-cables.com

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S10 IYOI(c) 60 V



APPLICATIONS

These cables are flame retardant, low smoke and halogen free, used for indoor telecommunication.

STANDARDS

IEC 60092-360

IEC 60332-1

IEC 60332-3-22

IEC 60754-1,2

IEC 61034-1,2

NEK 606:2016

VOLTAGE RATING

60V

CABLE CONSTRUCTION

Conductors: Solid tinned copper, 0.5mm.

Insulation: Halogen-free thermoplastic compound PE.

Twinning: Colour coded cores twisted together. Pairs are cross-stranded to finished cable or 10 pair units. The units are stranded to 20 - 30 - 50 pair cables. 2 pair is stranded as a star quad.

Wrapping: Polyester tape.

Collective Shielding: The cable core is screened by copper backed polyester tape in contact with a 0.5mm solid tinned drain wire.

Bedding: Halogen-free thermoplastic compound, type SHF1, coloured grey.

Armour: Tinned copper wire braid

Outer Sheath: Halogen-free thermoplastic compound, type SHF1, coloured grey.

MECHANICAL PROPERTIES

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

Temperature Range: -10°C ~ +60°C

TECHNICAL CHARACTERISTICS

Nom. Conductor Diameter	Maximum Resistance @20°C	Mutual Capacitance 1-pair cable	Mutual Capacitance 2-pair cable	Mutual Capacitance	Nominal Inductance @ 1KHz
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				4-pair and above cable	
mm	Ohm/km	nF/km	nF/km	nF/km	MH/km
0.5	95	90	80	70	0.61

DIMENSION AND PARAMETERS

Construction No. of elements×No. of cores in element×Cross section	Nominal Insulation Thickness	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Approx. Overall Diameter	Approx. Weight
mm ²	mm	mm	mm	mm	kg/km
20×2×0.5	0.2	1.5	1.5	15.0	330