



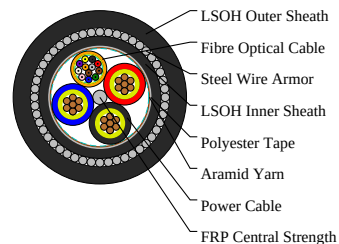
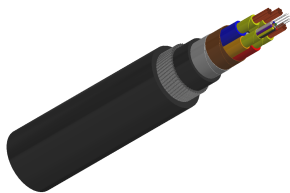
Caledonian

Composite Cables

www.caledonian-cables.com

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3x2.5 Power Cable+12C Fiber Optic Cable SWA Fire Resistant Composite Cable



FIRE PERFORMANCE

Flame Propagation	IEC60332
Low Smoke Capacity	IEC61034-1/2
Halogen Free	IEC60754-1/2
Fire Resistance	IEC 60331

CABLE CONSTRUCTION

3x2.5mm² Power Cable

Conductor: 7/0.67mm Stranded bare copper wire

Fire barrier: Mica tape wrapped copper conductor

Insulation: XLPE. Thickness is 0.7mm. Outer diameter 4.6-4.7mm

12C Fiber Cable

No of fibers in loose tube: 12 fibers

Loose tube: Outer diameter: 2.4mm (PE or PVC Sheath would be used over the loose tube if necessary)

Fire barrier : Mica tape wrapped loose tube

Element Assembly

Central Strength Member: 1.9mm FRP central strength member with PE/PVC coating if necessary

Strength Member: Aramid yarn helically is applied over cable core

Wrapping Tape: Polyester tape is applied over cable core

Inner Jacket: LSZH, thickness is 1.0mm

Aarmor: Steel wire armour, size: 0.9mm

Sheath: LSZH, thickness is 1.8mm, nominal outer diameter 18.2±1.0mm

Sheath Color: Black

PHYSICAL AND THERMAL PROPERTIES

Mechanical Properties:

Tensile load:

Operating: 600N

Installation: 1500N



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Bending radius:

Operating: $12.5 \times OD$

Installation: $25 \times OD$

Compressive load:

Short term: 1000N

Long term: 300N