



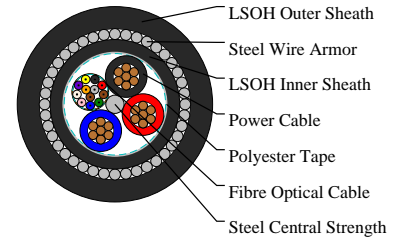
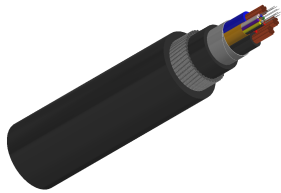
Caledonian

Composite Cables

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3x2.5 Power Cable+12C Fiber Optic Cable SWA LSOH Sheathed Composite Cable



CABLE CONSTRUCTION

3x2.5mm² Power Cable

Conductor: 7/0.67mm Stranded bare copper wire

Insulation: XLPE. Thickness is 0.7mm. Outer diameter 3.41mm

12C Fiber Cable

No of fibers in loose tube: 12 fibers

Loose tube: outer diameter: 2.2+/-0.2mm (Aramid yarn &PE Sheath would be used over the loose tube)

Element Assembly

Central Strength Member: Steel central strength member with PE/PVC coating if necessary

Fillers: PP fillers will be added around the 4 cable cores

Wrapping Tape: Polyester tape is applied over cable core if necessary

Inner Jacket: PE, LSOH is optional, thickness is 1.0mm

Armor: Steel wire armour

Sheath: PE, LSOH is optional, thickness is 1.8mm, nominal outer diameter 16.2±2.0mm

Sheath Color: Black

PHYSICAL AND THERMAL PROPERTIES

Mechanical Properties:

Tensile load:

Operating: 3000N Installation: 5000N

Bending radius:

Operating: 15×OD Installation: 28×OD

Compressive load:

Short term: 5500N Long term: 3500N