



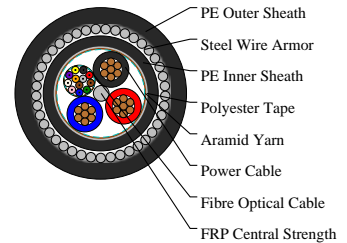
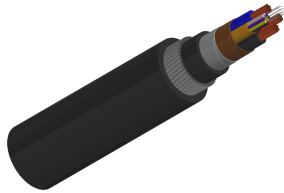
Caledonian

Composite Cables

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3x2.5 Power Cable+12C Fiber Optic Cable SWA 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: 2.4mm (PE or PVC Sheath would be used over the loose tube if necessary)

Element Assembly

Central Strength Member: 1.5mm 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: PE, LSOH is optional, thickness is 1.0mm

Armor: Steel wire armour, size: 0.9mm

Sheath: PE, LSOH is optional, thickness is 1.8mm, nominal outer diameter 17.0±1.0mm

Sheath Color: Black

PHYSICAL AND THERMAL PROPERTIES

Mechanical Properties:

Tensile load:

Operating: 2650N

Installation: 8000N

Bending radius:

Operating: 15×OD

Installation: 30×OD

Compressive load:

Short term: 6000N

Long term: 4000N