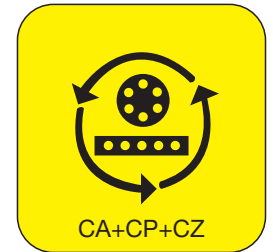
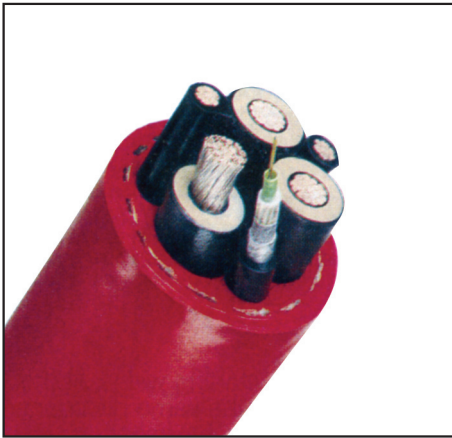


SPECIAL DESIGN CAPABILITIES 1

TO ALL RECOGNISED INTERNATIONAL STANDARDS



POWER CABLES



TRAILING CABLES WITH OPTICAL FIBRES

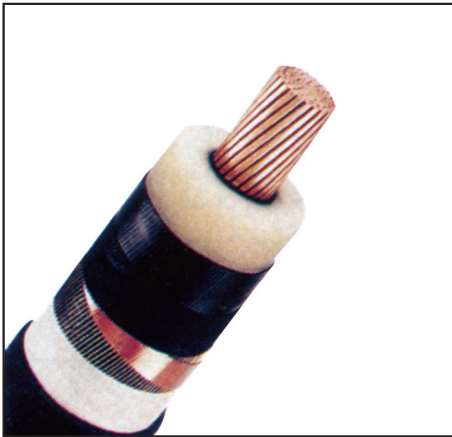
DESIGN:

Operating Voltages : Up to 33 kV

Construction : Finely stranded copper conductors – triple extruded inner conductive layer, EPR insulation and outer conductive layer – finely stranded copper protection conductors with conductive jackets – optical fibre element – steel tensile element with conductive jacket – inner sheath filling the interstices with two layers of reinforcement in counter directions – bonded into outer sheath

Specification : VDE 0250c/8.75 Part 813

Optical Fibre : Multi or single mode



XLPE INSULATED CABLES

DESIGN:

Sizes : 25-1000 mm²

Cores : Single or three core – round or shaped

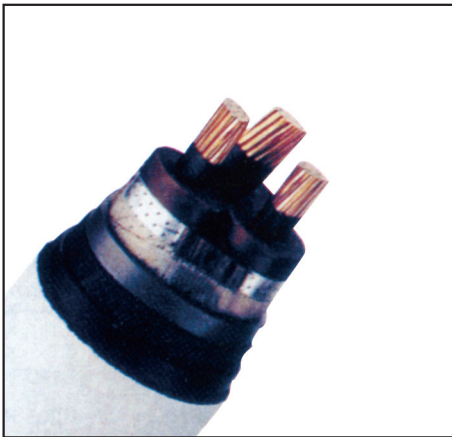
Conductor : Copper or aluminium

Specifications : IEC502 – SABS 1339/1992 – VDE 0273

Voltage : 0,6/1 kV – 19/33 kV

Bending Radii : Single core – 15 x cable O.D.
multicore – 15 x cable O.D.

Please note: Powermite XLPE cable with rated voltages up to 420 kV on request.



PAPER INSULATED CABLES

DESIGN:

Sizes : 25-1000 mm²

Cores : Single or three core – round or shaped

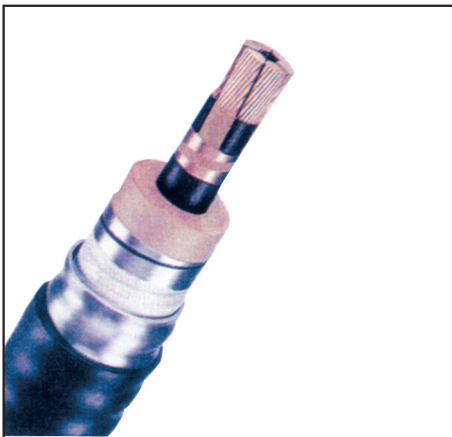
Conductor : Copper or aluminium

Specifications : VDE 0255 – BS6480 – SABS 97/1991

Voltage : 0,6/1 kV – 19/33 kV

Bending Radii : Single core – 25 x cable O.D.
multicore – 15 x cable O.D.

Current capacity : see Powermite table 3 page 52



LOW PRESSURE OIL-FILLED CABLES

DESIGN:

Operating Voltages : Up to 420 kV

Insulation : Graded dielectric paper layers

Construction : Conductor of single wires with a hollow duct in the centre – a pressure retaining metal sheath of lead or aluminium – a PVC or PE outer sheath – pressure tanks absorb the expansion volume of the oil when warm during operation.

Please note: Further information on Powermite cables and accessories is available on request.