

Medium-voltage submarine cable, including fibre optic cable

Typical design of a medium-voltage submarine cable with a maximum voltage up to 36 kV

Type: SC-YJAY41+OFC

1. Conductor: copper, circular stranded compacted
2. Conductor screening: extruded semi-conductive compound
3. Insulation: XLPE(TR-XLPE)
4. Insulation screening: extruded semi-conductive compound
5. Screen: copper wires and copper helix, swelling powder
6. Laminated sheath: aluminium tape bonded to overlaying PE sheath
7. Fibre optic cable, optional
8. Fillers: polypropylene strings
9. Binder tapes
10. Bedding: polypropylene strings
11. Armour: galvanized round steel wires
12. Serving: bituminous compound, hessian tapes, polypropylene strings with coloured stripe

