



Power Cable Standards

British Standards

Standard No	Description
BS 5467:1997	Electric cables. Thermosetting insulated, armoured cables for voltages of 600/1000V and 1900/3300V
BS 6004:2000	Electric cables. PVC insulated, nonarmoured cables for voltages up to and including 450/750V, for electric power, lighting and internal wiring
BS 6007:2006	Electric cables. Single core unsheathed heat resisting cables for voltages up to and including 450/750V, for internal wiring
BS 6480:1988	Power cables, impregnated paper insulated, lead or lead alloy sheathed electric cables
BS 6485:1999	PVC covered conductors for overhead power lines
BS 6622:2007	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6kV to 19/33kV. Requirements and test methods
BS 6724:1997	Electric cables. Thermosetting insulated, armoured cables for voltages of 600/1000V and 1900/3300V, having low emission of smoke and corrosive gases when affected by fire
BS 7197:1990	Specification for performance of bonds for electric power cable terminations and joints for system voltages up to 36kV
BS 7211:1998	Electric cables. Thermosetting insulated, unarmoured cables for voltages up to & including 450/750V, for electric power, lighting & internal wiring, and having low emission of smoke and corrosive gases when affected by fire
BS 7835:2007	Electric cables. Armoured cables with thermosetting insulation for rated voltages from 3.8/6.6kV up to 19/33kV having low emission of smoke and corrosive gases when affected by fire. Requirements and test methods
BS 7870-1:1996	LV & MV polymeric insulated cables for use by distribution and generation utilities. General
BS 7870-2:1999	LV & MV polymeric insulated cables for use by distribution and generation utilities. Methods of test
BS 7870-3.5:2005	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for distribution cables of rated voltage 0.6/1kv. XLPE insulated, copper wire waveform or helical concentric cables with solid aluminium conductors, having low emission of smoke and corrosive gases when affected by fire
BS 7870-3.11:2001	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for distribution cables of rated voltage 0.6/1kv. XLPE insulated combined neutral & earth copper wire concentric cables with copper or aluminium conductors
BS 7870-4.10:2000	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for distribution cables with extruded insulation for rated voltages of 11kv and 33kv. Single core 11kv and 33kv
BS 7870-8.1:2003	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for multicore and multipair cables for installation above and below ground. Single wire armoured and PVC sheathed multicore cable with copper conductors
BS 7870-8.2:2003	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for multicore and multipair cables for installation above and below ground. Single wire armoured and PVC sheathed multipair cable with copper conductors

BS 7870-8.3:2003	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for multicore and multipair cables for installation above and below ground. Single wire armoured and PVC sheathed multicore cable with copper conductors, having reduced fire propagation
BS 7870-8.6:2003	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for multicore and multipair cables for installation above and below ground. Single wire or double steel tape armoured and non-halogenated sheathed multipair cable with copper conductors
BS 7884:1997	Specification for copper and copper-cadmium stranded conductors for overhead electric traction and power transmission system
BS 7889:1997	Electric cables. Thermosetting insulated, unarmoured cables for a voltage of 600/1000V
BSEN 10257-1:1998	Zinc or zinc alloy coated non-alloy steel wire for armouring either power or telecomms cables. Land cables
BSEN 10257-2:1998	Zinc or zinc alloy coated non-alloy steel wire for armouring either power or telecomms cables. Submarine cables
BSEN 50183:2000	Conductors for overhead lines. Aluminium-magnesium-silicon alloy wires
BSEN 50189:2000	Conductors for overhead lines. Zinc coated steel wires
BSEN 60889:1997	Hard drawn aluminium wire for overhead line conductors

German Standards

Standard No	Description
DIN VDE 0250	Cables, wires and flexible cords for power installation
DIN VDE 0250-812	Cables, wires and flexible cords for power installation Rubber insulated flexible cables NSSHÖU
DIN VDE 0250-814	Cables, wires and flexible cords for power installation Rubber insulated flexible cables NSHTÖU
DIN VDE 0270	Insulating, sheathing and covering materials for low voltage energy cables
DIN VDE 0271	Power cables - specifications for power cables of rated voltages 0.6/1kV and above for special applications
DIN VDE 0276-603	Power cables Part 603: distribution cables of rated voltage 0.6/1kV
DIN VDE 0276-604	Power cables Part 604: 0.6/1kV power cables with special fire performance for use in power stations
DIN VDE 0276-620	Power cables Part 620: distribution cables of nominal voltage 3.6/6kV to 20.8/36kV
DIN VDE 0276-627	Power cables Part 627: multicore & multipair cables for installation above & below ground
DIN VDE 0281-1	Cables of rated voltages up to and including 450/750V and having thermoplastic insulation. Part 1 : General requirements
DIN VDE 0281-3	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V. Part 3 : Non sheathed cables for fixed wiring
DIN VDE 0281-5	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V. Part 5 : Flexible cables
DIN VDE 0281-9	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V. Part 9 : Single core non-sheathed cables for installation at low temperatures
DIN VDE 0281-10	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V. Part 10 : Extensible leads
DIN VDE 0282-1	Cables of rated voltages up to and including 450/750V and having cross-linked insulation. Part 1 : General requirements
DIN VDE 0282-3	Cables of rated voltages up to and including 450/750V and having cross-linked insulation. Part 3 : Heat resistant silicone rubber insulated cables
DIN VDE 0282-4	Cables of rated voltages up to and including 450/750V and having cross-linked insulation. Part 4 : Cords and flexible cables
DIN VDE 0289	Definitions for cables, wires and flexible cords for power installation
DIN VDE 0292	Code designation for harmonised cables and flexible cords for power installations
DIN VDE 0293	Core identification for cables and flexible cords used in power installations
DIN VDE 0295	Conductors of cables, wires and flexible cords for power installations
DIN VDE 0298	Application of cables and flexible cords in power installations

International Standards

Standard No	Description
IEC 60811-2-1	Common test methods for insulating & sheathing materials of electric and optical cables. Part 2-1: methods specific to elastomeric compounds - ozone resistance, hot set and mineral oil immersion tests
IEC 60502-1	Power cables with extruded insulation and their accessories for rated voltages from 1kV up to 30kV Part 1:cables for rated voltages of 1kV and 3kV
IEC 60502-2	Power cables with extruded insulation and their accessories for rated voltages from 1kV up to 30kV Part 2:cables for rated voltages from 6kV up to 30kV
IEC 60502-4	Power cables with extruded insulation and their accessories for rated voltages from 1kV up to 30kV Part 4:test requirements on accessories for cables with rated voltages from 6kV up to 30kV
IEC 60889	Hard-drawn aluminium wire for overhead line conductors

Dutch Standards

Standard No	Description
K42C-07:2004	Armoured & unarmoured cables with cross-linked polyethylene insulation and PVC sheaths with a rated voltage of 450/750 volts.