



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, non-armoured cables for voltages of 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 power 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 and including 450/750V, for electric power, lighting and 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 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 power distribution and generation utilities. General.
BS7870-2:1999	LV & MV polymeric insulated cables for use by distribution and generation utilities. Methods of test.
BS7870-3.5:2005	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 wen affected by fire.
BS 7870-3.11:2011	LV&MV polymeric insulated cables for use by distribution and generation utilities. Specification for distribution cables of rated voltage 0.6/1kV. XLPE insulate combined neutral and earth copper wire concentric cables with copper or aluminium conductors.
BS7870-4.10:2000	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 7870-8.2:2003	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for multicore and multi-pair cables for installation above and below ground. Single wire armoured and PVC sheathed multicore cables with copper conductors.
BS 7870-8.2:2003	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for multicore and multi-pair cables for installation above and below ground. Single wire armoured and PVC sheathed multi-pair 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 multi-pair cables for installation above and below ground. Single wire armoured and PVC sheathed multicore cable with copper conductors, having reduced fire propagation.
BS7870-8.6:2003	LV & MV polymeric insulated cables for use by distribution and generation utilities. Specification for multicore and multi-pair cables for installation above and below ground.



	Single wire or double steel tape armoured and non-halogenated sheathed multi-pair 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 telecoms cables. Land cables.
BSEN 10257-2:1998	Zinc or zinc alloy coated non-alloy steel wire for armouring either power or telecoms 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 for nominal voltage 3.6/6kV to 20.8/36kV.
DIN VDE 0276-627	Power cables Part 627: multicore and multi-pair cables for installation above and 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, wire and flexible cords for power installation.
DIN VDE 0292	Code designation for harmonised cables and flexible cords for power installation.
DIN VDE 0293	Core identification for cables and flexible cords used in power installations.
DIN VDE 0298	Conductors of cables, wires and flexible cords for power installations.
DIN VDE 0298	Application of cables and flexible cords for power installations



International Standards

Standard No.	Description
IEC 60811-2-1	Common test methods for insulating and sheathing materials of electric and optical cables. Part 2-1: method 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 for 1kV to 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 for 1kV to 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 for 1kV to 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 and unarmoured cables with cross-linked polyethylene insulation and PVC sheaths with a rated voltage of 450/750 volts.