



Communications Cable Standards

British Standards

Standard No	Description
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 50098-1:1999	Customer premised cabling for information technology. ISDN basic access
BSEN 50117-2-1:2005	Coaxial cables. Sectional specification for cables used in cabled distribution networks. Indoor drop cables for systems operating at 5MHz - 1000MHz
BSEN 50117-2-2:2004	Coaxial cables. Sectional specification for cables used in cabled distribution networks. Outdoor drop cables for systems operating at 5MHz - 1000MHz
BSEN 50117-2-3:2004	Coaxial cables. Sectional specification for cables used in cabled distribution networks. Distribution and trunk cables operating at 5MHz - 1000MHz
BSEN 50117-2-4:2004	Coaxial cables. Sectional specification for cables used in cabled distribution networks. Indoor drop cables for systems operating at 5MHz - 3000MHz
BSEN 50117-2-5:2004	Coaxial cables. Sectional specification for cables used in cabled distribution networks. Outdoor drop cables for systems operating at 5MHz - 3000MHz
BSEN 50117-3:1996	Coaxial cables used in cabled distribution networks. Sectional specification for outdoor drop cables
BSEN 50117-4:1996	Coaxial cables used in cabled distribution networks. Sectional specification for distribution and trunk cables
BSEN 50117-5:1997	Coaxial cables used in cabled distribution networks. Sectional specification for indoor drop cables for systems operating at 5MHz - 2150MHz
BSEN 50117-6:1997	Coaxial cables used in cabled distribution networks. Sectional specification for outdoor drop cables for use in networks operating at 5MHz - 2150MHz
BSEN 50173-2:2007	Information Technology. Generic Cabling Systems. Office Premises
BSEN 50173-3:2007	Information Technology. Generic Cabling Systems. Industrial Premises
BSEN 50173-4:2007	Information Technology. Generic Cabling Systems. Homes
BSEN 50173-5:2007	Information Technology. Generic Cabling Systems. Data Centres
BSEN 50288-1:2003	Multi-element metallic cables used in analogue and digital communication and control. Generic specification
BSEN 50288-3-2:2003	Multi-element metallic cables used in analogue and digital communication and control. Sectional specification for unscreened cables. Work area and patch cord cables
BSEN 50289-1-1:2001	Communication cables. Specifications for test methods. Electrical test methods. General requirements
BSEN 50289-1-2:2001	Communication cables. Specifications for test methods. Electrical test methods. D.C. resistance
BSEN 50289-1-3	Communication cables - specifications for test methods Part 1-3: electrical test methods, Dielectric strength
BSEN 50289-1-4	Communication cables - specifications for test methods Part 1-4: electrical test methods, Insulation resistance
BSEN 50289-1-5	Communication cables - specifications for test methods Part 1-5: electrical test methods, Capacitance
BSEN 50289-1-6	Communication cables - specifications for test methods Part 1-6: electrical test methods, Electromagnetic performance
BSEN 50289-1-7	Communication cables - specifications for test methods Part 1-7: electrical test methods, Velocity of propagation
BSEN 50289-1-8	Communication cables - specifications for test methods Part 1-8: electrical test methods,

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BSEN 50289-1-9	Communication cables - specifications for test methods Part 1-9: electrical test methods, Unbalance attenuation
BSEN 50289-1-10	Communication cables - specifications for test methods Part 1-10: electrical test methods, Crosstalk
BSEN 50289-1-13	Communication cables. Specifications for test methods. Electrical test methods. Coupling attenuation or screening attenuation of patch cords/coaxial cable assemblies/pre-connectorised cables
BSEN 50289-1-16	Communication cables - specifications for test methods Part 1-16: electromagnetic
BSEN 50289-3-2	Communication cables - specifications for test methods Part 3-2: mechanical test methods, Tensile strength and elongation for conductor
BSEN 50289-3-4	Communication cables - specifications for test methods Part 3-4: mechanical test methods,
BSEN 50289-3-5	Communication cables - specifications for test methods Part 3-5: mechanical test methods,
BSEN 50289-3-6	Communication cables - specifications for test methods Part 3-6: mechanical test methods, impact resistance
BSEN 50289-3-7	Communication cables - specifications for test methods Part 3-7: mechanical test methods, abrasion resistance
BSEN 50289-3-8	Communication cables - specifications for test methods Part 3-8: mechanical test methods, abrasion resistance of cable sheath markings
BSEN 50289-3-9	Communication cables - specifications for test methods Part 3-9: mechanical test methods, bending tests
BSEN 50289-3-10	Communication cables - specifications for test methods Part 3-10: mechanical test methods, torsion and twisting
BSEN 50289-3-11	Communication cables - specifications for test methods Part 3-11: mechanical test methods, cable cut-through resistance
BSEN 50289-3-15	Communication cables - specifications for test methods Part 3-15: mechanical test methods, underwater cable resistance to hydrostatic pressure
BSEN 50289-3-16	Communication cables - specifications for test methods Part 3-16: mechanical test methods, cable tensile performance
BSEN 50290-2-1:2005	Communications cables. Common design rules and construction
BSEN 50290-2-21:2002	Communications cables. Common design rules and construction. PVC insulation compounds
BSEN 50290-2-24:2002	Communications cables. Common design rules and construction. PE sheathing
BSEN 60794-1-1	Optical fibre cables. Part 1-1: Generic specification - General
BSEN 60794-1-2	Optical fibre cables. Part 1-2: Generic specification - Basic optical cable test procedures
BSEN 60794-2	Optical fibre cables. Part 2: Indoor cables, sectional specification
BSEN 60794-2-10	Optical fibre cables. Part 2-10: Indoor cables, family specification for simplex and duplex cables
BSEN 60794-2-11	Optical fibre cables. Part 2: Indoor cables Section 11:detailed specification for simplex and duplex cables for use in premises cabling
BSEN 60794-2-20	Optical fibre cables. Part 2: Indoor cables Section 20:family specification for multi-fibre optical distribution cables
BSEN 60794-2-21	Optical fibre cables. Part 2: Indoor cables Section 21:detailed specification for multi-fibre optical distribution cables for use in premises cabling
BSEN 60794-2-31	Optical fibre cables. Indoor cables. Detailed specification for optical fibre ribbon cables for use in premises cabling
BSEN 60794-3-10	Optical fibre cables. Part 3: sectional specification - outdoor cables Section 10: family specification for duct and directly buried optical telecommunication cables
BSEN 60794-3-12	Optical fibre cables. Part 3: sectional specification - outdoor cables Section 12: detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling
BSEN 61158-2:2004	Digital data communicatiouns for measurement and control. Fieldbus for use in industrial control systems. Physical layer sepcification and service definition
BSEN 61158-5-10:2008	Industrial communication networks. Fieldbus specifications
BSEN 61784-1:2008	Industrial communication networks. Profiles. Fieldbus profiles

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German Standards

Standard No	Description
DIN VDE 0812	Equipment wires and stranded equipment wires of telecommunications & data processing systems
DIN VDE 0813	Switchboard cables for telecommunications & data processing systems
DIN VDE 0814	Cords to telecommunications and information processing systems
DIN VDE 0815-1	Cables for indoor residential telecommunications installations. Part 1 Unscreened cables Grade 1
DIN VDE 0815-2	Cables for indoor residential telecommunications installations. Part 2 Screened cables Grade 2
DIN VDE 0815-3	Cables for indoor residential telecommunications installations. Part 2 Screened cables Grade 3
DIN VDE 0816-1	External cables for telecommunications & data processing systems. Cables insulated and sheathed with polyethylene
DIN VDE 0816-2	External cables for telecommunications & data processing systems. Signal and measuring cables, mining cables
DIN VDE 0816-3	External cables for telecommunications & data processing systems. Paper insulated cables
DIN VDE 0817	Cables with stranded conductors for increased mechanical stress for telecommunications systems
DIN VDE 0891-2	Use of cables and insulated wires for telecommunications systems and information processing systems . Special directions for equipment wires with solid or stranded conductors according to DIN VDE 0812
DIN VDE 0891-3	Use of cables and insulated wires for telecommunications systems and information processing systems . Special directions for switchboard cables according to DIN VDE 0813
DIN VDE 0891-4	Use of cables and insulated wires for telecommunications systems and information processing systems . Special directions for cords according to DIN VDE 0814
DIN EN 50289-1-2	Communication cables - specifications for test methods Part 1-2: electrical test methods, DC resistance
DIN EN 50289-1-3	Communication cables - specifications for test methods Part 1-3: electrical test methods, Dielectric strength
DIN EN 50289-1-4	Communication cables - specifications for test methods Part 1-4: electrical test methods, Insulation resistance
DIN EN 50289-1-5	Communication cables - specifications for test methods Part 1-5: electrical test methods, Capacitance
DIN EN 50289-1-6	Communication cables - specifications for test methods Part 1-6: electrical test methods, Electromagnetic performance
DIN EN 50289-1-7	Communication cables - specifications for test methods Part 1-7: electrical test methods, Velocity of propagation
DIN EN 50289-1-8	Communication cables - specifications for test methods Part 1-8: electrical test methods, Attenuation
DIN EN 50289-1-9	Communication cables - specifications for test methods Part 1-9: electrical test methods, Unbalance attenuation
DIN EN 50289-1-10	Communication cables - specifications for test methods Part 1-10: electrical test methods, Crosstalk
DIN EN 50289-1-13	Communication cables - specifications for test methods Part 1-13: electrical test methods
DIN EN 50289-1-16	Communication cables - specifications for test methods Part 1-16: electromagnetic performance
DIN EN 50289-3-2	Communication cables - specifications for test methods Part 3-2: mechanical test methods, Tensile strength and elongation for conductor
DIN EN 50289-3-4	Communication cables - specifications for test methods Part 3-4: mechanical test methods, shrinkage of insulation
DIN EN 50289-3-5	Communication cables - specifications for test methods Part 3-5: mechanical test methods, crush resistance of the cable
DIN EN 50289-3-6	Communication cables - specifications for test methods Part 3-6: mechanical test methods, impact resistance

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DIN EN 50289-3-7	Communication cables - specifications for test methods Part 3-7: mechanical test methods, abrasion resistance
DIN EN 50289-3-8	Communication cables - specifications for test methods Part 3-8: mechanical test methods, abrasion resistance of cable sheath markings
DIN EN 50289-3-9	Communication cables - specifications for test methods Part 3-9: mechanical test methods, bending tests
DIN EN 50289-3-10	Communication cables - specifications for test methods Part 3-10: mechanical test methods, torsion and twisting
DIN EN 50289-3-11	Communication cables - specifications for test methods Part 3-11: mechanical test methods, cable cut-through resistance
DIN EN 50289-3-15	Communication cables - specifications for test methods Part 3-15: mechanical test methods, underwater cable resistance to hydrostatic pressure
DIN EN 50289-3-16	Communication cables - specifications for test methods Part 3-16: mechanical test methods, cable tensile performance
DIN 60966-1	Radio frequency and coaxial assemblies Part 1: Generic specification, general requirements and test methods

International Standards

Standard No	Description
IEC 60096-0-1	Radio frequency cables Part 0: guide to the design of detailed specifications. Section one: coaxial cables
IEC 60096-1	Radio frequency cables Part 1: general requirements and measuring methods
IEC 60096-2	Radio frequency cables Part 2: relevant cable specifications
IEC 60096-3	Radio frequency cables Part 3: general requirements and tests for single-unit coaxial cables for use in cabled distribution systems
IEC 60096-4-1	Radio frequency cables Part 4: specification for superscreened cables Section 1: general requirements and test methods
IEC 60169-10	Radio-frequency connectors. Part 10: RF coaxial connectors with inner diameter of outer conductor 3mm with snap-on coupling. Characteristic impedance 50 ohms
IEC 60169-11	Radio-frequency connectors. Part 11: RF coaxial connectors with inner diameter of outer conductor 9.5mm with screw coupling. Characteristic impedance 50 ohms
IEC 60169-13	Radio-frequency connectors. Part 13: RF coaxial connectors with inner diameter of outer conductor 5.6mm. Characteristic impedance 75 ohms
IEC 60169-14	Radio-frequency connectors. Part 14: RF coaxial connectors with inner diameter of outer conductor 5.6mm. Characteristic impedance 75 ohms
IEC 60169-15	Radio-frequency connectors. Part 15: RF coaxial connectors with inner diameter of outer conductor 4.13mm with screw coupling. Characteristic impedance 50 ohms
IEC 60169-17	Radio-frequency connectors. Part 17: RF coaxial connectors with inner diameter of outer conductor 6.5mm with screw coupling. Characteristic impedance 50 ohms
IEC 60169-18	Radio-frequency connectors. Part 18: RF coaxial connectors with inner diameter of outer conductor 6.5mm with screw coupling. Characteristic impedance 50 ohms
IEC 60169-19	Radio-frequency connectors. Part 19: RF coaxial connectors with inner diameter of outer conductor 6.5mm with screw coupling. Characteristic impedance 50 ohms
IEC 60169-20	Radio-frequency connectors. Part 20: RF coaxial connectors with inner diameter of outer conductor 6.5mm with screw coupling. Characteristic impedance 50 ohms
IEC 60169-21	Radio-frequency connectors. Part 21: Two types of radio-frequency connectors with inner diameter of outer conductor 9.5mm with different versions of screw coupling. Characteristic impedance 50 ohms
IEC 60169-22	Radio-frequency connectors. Part 22: RF two-pole bayonet coupled connectors for use with shielded balanced cables having twin inner conductors
IEC 60169-24	Radio-frequency connectors. Part 24: RF coaxial connectors with screw coupling, typically for use in 75 ohm cable distribution systems (type F)
IEC 60169-26	Radio-frequency connectors. Part 26: RF coaxial connectors with screw coupling. Characteristic impedance 50 ohms
IEC 60169-27	Radio-frequency connectors. Part 27: RF coaxial connectors with screw coupling, typically for use in 75ohm cable distribution systems (Type E)
IEC 60169-28	Radio-frequency connectors. Part 28: RF coaxial connectors with inner diameter of outer conductor 6.5mm with snap coupling. Characteristic impedance 75 ohms
IEC 60794-1-1	Optical fibre cables. Part 1-1: Generic specification - General
IEC 60794-1-2	Optical fibre cables. Part 1-2: Generic specification - Basic optical cable test procedures

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IEC 60794-2	Optical fibre cables. Part 2: Indoor cables, sectional specification
IEC 60794-2-10	Optical fibre cables. Part 2-10: Indoor cables, family specification for simplex and duplex cables
IEC 60794-2-11	Optical fibre cables. Part 2: Indoor cables Section 11:detailed specification for simplex and duplex cables for use in premises cabling
IEC 60794-2-20	Optical fibre cables. Part 2: Indoor cables Section 20:family specification for multi-fibre optical distribution cables
IEC 60794-2-21	Optical fibre cables. Part 2: Indoor cables Section 21:detailed specification for multi-fibre optical distribution cables for use in premises cabling
IEC 60794-2-31	Optical fibre cables. Indoor cables. Detailed specification for optical fibre ribbon cables for use in premises cabling
IEC 60794-3-10	Optical fibre cables. Part 3: sectional specification - outdoor cables Section 10: family specification for duct and directly buried optical telecommunication cables
IEC 60794-3-12	Optical fibre cables. Part 3: sectional specification - outdoor cables Section 12: detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling
IEC 60966-1	Radio frequency and coaxial cable assemblies. Part 1: generic specification - general requirements and test methods
IEC 60966-2-1	Radio frequency and coaxial cable assemblies. Part 2: sectional specification for flexible coaxial cable assemblies
IEC 61158-1	Digital data communications for measurement & control - fieldbus for use in industrial control systems Part 1: overview and guidance
IEC 61158-2	Digital data communications for measurement & control - fieldbus for use in industrial control systems Part 2: physical layer specification and service definition
IEC 61158-3	Digital data communications for measurement & control - fieldbus for use in industrial control systems Part 3: data link service definition
IEC 61158-4	Digital data communications for measurement & control - fieldbus for use in industrial control systems Part 4: data link protocol
IEC 61158-5	Digital data communications for measurement & control - fieldbus for use in industrial control systems Part 5: application layer service definition
IEC 61158-6	Digital data communications for measurement & control - fieldbus for use in industrial control systems Part : application layer protocol specification
IEC 61196-1	Coaxial communication cables Part 1: Generic specification
IEC 61196-2	Radio frequency cables Part 2: Sectional specification for semi-rigid radio frequency and coaxial cables with PTFE insulation
IEC 61196-3	Radio frequency cables Part 3: Sectional specification for coaxial cables for local area networks
IEC 61196-8	Coaxial communications cables Part 8: Sectional specification for semi-flexible cables with PTFE insulation
IEC/TR 6222	Fire performance of communication cables installed in buildings
ISO/IEC 11801	Information technology - generic cabling for customer premises
ISO/IEC 14709-1	Information technology - configuration fo customer premises cabling for applications Part 1: Integrated Services Digital Network (ISDN) basic access
ISO/IEC 14709-2	Information technology - configuration fo customer premises cabling for applications Part 2: Integrated Services Digital Network (ISDN) primary rate
ISO/IEC 14763-1	Information technology - implementation and operation of customer premises cabling Part 1: administration
ISO/IEC 15018	Information technology - generic cabling for homes
ISO/IEC/TR 14763-2	Information technology - implementation and operation of customer premises cabling Part 2: planning and installation
ISO/IEC/TR 14763-3	Information technology - implementation and operation of customer premises cabling Part 3: testing of optical fibre cabling
ISO 8877:1987	Informations Technology. Telecommunications and information exchange between systems. Interference connector and contact assignments for ISDN Basic Access Interface located at reference points S and T
IEEE802.3:2005	Informations Technology. Telecommunications and information exchange between systems. Local & metropolitan area networks. Specific requirements Part 3: Carrier sense multiple access with collision detection (CSMA/CD) Access method and physical layer specifications

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TIA Standards

Standard No	Description
ANSI/TIA 568-B.1-1-2001	Commercial building telecommunications cabling standard Part 1: general requirements Addendum 1: minimum 4 pair UTP and 4 pair STP patch cable bend radius

BBC

Standard No	Description
PSF 1/2M	Video cable
PSF1/3M	Video cable
PSF 2/9M	Microphone cable
PSF 4/1M	Microphone cable
PSF 1/9M	Flexible camera cable

BT

Standard No	Description
2001	Coaxial cable
2002	Coaxial cable
2003A	Coaxial cable
CW1109	Single, twin and triple jumper wire for electronic equipment
CW1128	Polyethylene insulated and sheathed, jelly-filled, twisted-pair telephone cable for outdoor use (up to and including 100 pairs)
CW1198	External telephone cable
CW1299	Coaxial cable
CW1236	Polyethylene insulated and sheathed, jelly-filled, twisted-pair telephone cable for outdoor use (above 100 pairs)
CW1252	Self-supporting aerial telephone cable
CW1257	Jumper wire
CW1293	Internal telephone cable
CW1308	PVC insulated and sheathed telephone cable for indoor use
CW1311	Telephone cordage
CW1316	Undercarpet telephone cable
CW1378	Drop wire No 10
CW1600	LFH insulated and sheathed telephone cable for indoor use

EIA Standards

Standard No	Description
EIA 232 (previously RS232)	Interface between data terminal equipment and data circuit - terminating equipment
EIA 422 (previously RS422)	Electrical characteristics of balanced voltage. Differential interface circuit
EIA 485 (previously RS485)	Electrical characteristics of generators and receivers for use in balanced digital multipoint systems

ESI Standards

Standard No	Description
ESI 09-6	Auxiliary multicore and multipair cables