Hellenic Accreditation System

Annex F1/8 to the Certificate No. **1182**-2

SCOPE of ACCREDITATION

of the

Electrotechnical Products Testing Laboratories

of

MIRTEC
(EBETAM S.A.)

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Acoustic Tests		
Electrical appliances and machinery which emit noise. Noise sources:	Measurement of emission sound pressure level	EN ISO 3746:2010 EN ISO 11201:2010 EN ISO 3744:2010 In combination with product specific standards:
Household and similar use electrical appliances		EN IEC 60704-1:2021 EN 60704-3:2019
Vacuum cleaners		EN IEC 60704-2-1:2020
Forced draught convection heaters		EN IEC 60704-2-2:2024
Dishwashers		EN 60704-2-3:2019
Washing machines and spin extractors		EN 60704-2-4:2012 +A11:2020 +A12:2023
Room heaters of storage type		EN 60704-2-5:2005 +A1:2015
Tumble dryers		EN 60704-2-6:2012
Fans		EN IEC 60704-2-7:2020
Electric shavers		EN IEC 60704-2-8:2020
Hair care electric appliances		EN 60704-2-9:2003

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Electric cooking ranges, ovens, grills, microwave ovens and any combination of these	Measurement of emission sound pressure level	EN 60704-2-10:2011
Electrically operated food preparation appliances		EN 60704-2-11:1999
Range hoods		EN 60704-2-13:2017
Refrigerators		EN 60704-2-14:2013 +A1:2019
Medical electrical equipment		EN 60601-1:2006 +A1:2013 +A12:2014 +A2:2021 § 9.6.2
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery		EN 62841-1:2015 Annex I
Electric toys		EN 71-1:2014 +A1:2018 Annex A.25
Maritime navigation and radiocommunication equipment and systems		IMO MSC Res. A.343(IX) IMO MSC Res. A.468 (XII)
Physical Tests		
Electric cables:	Loss of mass test for thermoplastic insulations and sheaths	EN 60811-409:2012 § 4 και § 6
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Insulating, sheathing and covering materials for low voltage energy cables - PVC insulating compounds		EN 50363-3:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC sheathing compounds		EN 50363-4-1:2005 Table 2
Electric cables:	Thermal stability test	EN 60811-405:2012 § 4
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Insulating, sheathing and covering materials for low voltage energy cables - PVC insulating compounds		EN 50363-3:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC sheathing compounds		EN 50363-4-1:2005 Table 2
Chemical Tests		

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Electric cables και Conduit systems for cable management	Test on gases evolved during combustion of materials from cables - Determination of acidity (by pH measurement) and conductivity. (0-14) pH (0-1.999) μS/cm	*EN 60754-2:2014 +A1:2020
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)		**EN 50525-1:2011 +A1:2022 Table B.1*
Conduit systems for cable management		**EN 61386-1:2008 +A1:2019 §13.1.4
Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on electric cables		****EN 13501-6:2018 +A1:2022 §5.6*
Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements		Regulation (EU) 305/2011 Dec. 2011/284/ΕΕ EN 50575:2014 +A1:2016 §5
Performance tests		
Electrical products and equipment, telecommunication equipment, electronics	Degrees of protection provided by enclosures (IP Code) IP1X up to IP6X and IPX1 up to IPX8	EN 60529:1991 +A1:2000 +A2:2013
Plugs and fixed or portable socket-outlets		IEC 60884-1:2022 § 16.2
Household and similar use electrical appliances		EN IEC 60335-1:2023 +A11:2023 § 22.1
Grills, toasters and similar portable cooking appliances		EN IEC 60335-2-9:2023 +A11:2023§22
Blankets, pads, clothing and similar flexible heating appliances		EN 60335-2-17:2013 +A11:2019 +A1:2020 +A2:2021 §22
Appliances for heating liquids		EN 60335-2-15:2016 +A11:2018 +A1:2021 +A2:2021 +A12:2021 §22
Storage water heaters		EN 60335-2-21:2021 +A1:2021 § 22
Refrigerating appliances, ice-cream appliances and ice makers		EN IEC 60335-2-24:2022 +A11:2022§22
Room heaters		EN 60335-2-30:2009 +A11:2012 +A1:2020 +A12:2020 +A13:2022 +A2:2022 § 22
Commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor		EN IEC 60335-2-89:2022 +A11:2022§22
Commercial electric kitchen machines		EN 60335-2-64:2000 +A1:2002 §22
Commercial dispensing appliances and vending machines		EN IEC 60335-2-75:2023 +A11:2023 +A1:2023 +A2:2023§ 22
Luminaires		EN IEC 60598-1:2021 +A11:2022 §9.2
Fixed general purpose luminaires		EN IEC 60598-2-1:2021§1.14
Recessed luminaires		EN 60598-2-2:2012 §2.14
Luminaires for road and street lighting		EN 60598-2-3:2003 +A1:2011 §3.13

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Portable general purpose luminaires	Degrees of protection provided by enclosures (IP Code) IP1X up to IP6X and IPX1 up to IPX8	EN 60598-2-4:2018 §4.13
Floodlights		EN 60598-2-5:2015 § 5.13
Handlamps		EN 60598-2-8:2013 §8.13
Portable luminaires for children		EN 60598-2-10:2003 §10.13
Ground recessed luminaires		EN 60598-2-13:2006 +A1:2012 +A2:2016 +A11:2021 §13.13
Luminaires for swimming pools and similar applications		EN IEC 60598-2-18:2022 §18.14
Lighting chains		EN 60598-2-20:2015 §20.14
Rope lights		EN 60598-2-21:2015 §21.14
Luminaires for emergency lighting		EN IEC 60598-2-22:2022 §22.14
Conduit systems for cable management		EN 61386-1:2008 +A1:2019 §14.1.2
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations		EN IEC 60670-1:2021 +A11:2021 §13.2
Low-voltage switchgear and controlgear assemblies		EN IEC 61439-1:2021 § 8.2.2 §10.3
Empty enclosures for low-voltage switchgear and controlgear assemblies		EN IEC 62208:2023 §9.9.1
Electric vehicle conductive charging system		EN IEC 61851-1:2019 §12.4
Electric cables	Measurement of smoke density of cables burning under defined conditions (0-100)%	**EN 61034-1:2005 +A1:2014 +A2:2020 *EN 61034-2:2005 +A1:2013 +A2:2020
Cables with special fire performance - Flexible cables with halogen-free thermoplastic insulation, and low emission of smoke		**EN 50525-3-11:2011 Annex A
Cables with special fire performance - Flexible cables with halogen-free crosslinked insulation, and low emission of smoke		**EN 50525-3-21:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free thermoplastic insulation, and low emission of smoke		**EN 50525-3-31:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		**EN 50525-3-41:2011 Annex A
Electric cables for photovoltaic systems		**EN 50618:2014 §7.3.14
Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on electric cables		***EN 13501-6:2018 +A1:2022 §5.6

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements	Measurement of smoke density of cables burning under defined conditions	Regulation (EU) 305/2011 Dec. 2011/284/EE EN 50575:2014+A1:2016 § 5
Safety tests		
Electrical products and equipment, telecommunication equipment, electronics	Protection against access to live parts and against electric shock	
Household and similar use electrical appliances		EN IEC 60335-1:2023 +A11:2023§8
Appliances for heating liquids		EN 60335-2-15:2016 +A11:2018 +A1:2021 +A2:2021 +A12:2021 §8
Commercial dispensing appliances and vending machines		EN IEC 60335-2-75:2023 +A11:2023 +A1:2023 +A2:2023§ 8
Luminaires		EN IEC 60598-1:2021 +A11:2022 §8.2
Plugs and fixed or portable socket-outlets		IEC 60884-1:2022 §10
Lamp controlgear		EN 61347-1:2015 +A1:2021 §10
D.C. or A.C. supplied electronic controlgear for LED modules		EN 61347-2-13:2014 +A1:2017 §8
Dimensional Tests		
Plugs and fixed or portable socket-outlets	Measurement of dimensions	IEC 60884-1:2022 § 9
Electric cables:	Measurement of outer dimensions (diameter)	EN 50396:2005 +A1:2011 §4.4 EN 60811-203:2012 §4
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)		EN 50525-1:2011 +A1:2022 § 7.3
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding	Measurement of outer dimensions (diameter)	EN 50525-2-81:2011 Annex A

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 § 7.3.3
Polyvinyl chloride insulated and sheathed power cables for rated voltage 600/1000 V		ELOT 843:2016 §12.7
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 3 kV (Um=3,6 kV)		IEC 60502-1:2021 § 16.8
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V		IEC 60227-1:2024 § 5.6.2
Rubber insulated cables - Rated voltages up to and including 450/750 V		IEC 60245-1:2003 +A1:2007 § 5.6.2
Electric cables:	Thickness measurement of insulation and non-metallic sheath	EN 50396:2005 +A1:2011 §4.1 §4.2 & §4.3 EN 60811-201:2012 +A1:2017 +A2:2023 § 4 EN 60811-202:2012 +A1:2017 +A2:2023 § 4
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)		EN 50525-1:2011 +A1:2022 § 5.3.3 και § 5.7.3
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		EN 50525-2-81:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 Table 2
Polyvinyl chloride insulated and sheathed power cables for rated voltage 600/1000 V		ELOT 843:2016 §6.2 και §9.3

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 3 kV (Um=3,6 kV)		IEC 60502-1:2021 § 16.5, § 16.6, § 16.7
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V		IEC 60227-1:2024 § 5.2.3, § 5.5.3
Rubber insulated cables - Rated voltages up to and including 450/750 V		IEC 60245-1:2003 +A1:2007 § 5.2.3, § 5.5.2.2, § 5.5.3
Electrical Tests		
Household and similar use electrical appliances	Measurement of input power	EN IEC 60335-1:2023 +A11:2023, §10.1
Appliances for heating liquids		EN 60335-2-15:2016 +A11:2018 +A1:2021 +A2:2021 +A12:2021 §10.1
Commercial dispensing appliances and vending machines		EN IEC 60335-2-75:2023 +A11:2023 +A1:2023 +A2:2023§ 10
Medical electrical equipment		EN 60601-1:2006 +A1:2013 +A12:2014 +A2:2021, §4.11
Self-ballasted LED lamps for general lighting services with supply voltage		EN 62612:2013 +A1:2017 +A11:2017 +A2:2018 §8.1
Household and similar use electrical appliances	Measurement of input current	EN IEC 60335-1:2023 +A11:2023 § 10.2
Appliances for heating liquids		EN 60335-2-15:2016 +A11:2018 +A1:2021 +A2:2021 +A12:2021 §8
Commercial dispensing appliances and vending machines		EN IEC 60335-2-75:2023 +A11:2023 +A1:2023 +A2:2023§ 10
Audio/video, information and communication technology equipment		EN IEC 62368-1-2020 +A11:2020
Household and similar use electrical appliances	Dielectric strength (0-5) kV a.c.	EN IEC 60335-1:2023 +A11:2023 §13.3 §16.3
Grills, toasters and similar portable cooking appliances		EN IEC 60335-2-9:2023 +A11:2023§13.3 §16.3
Appliances for heating liquids		EN 60335-2-15:2016 +A11:2018 +A1:2021 +A2:2021 +A12:2021 §8
Blankets, pads, clothing and similar flexible heating appliances		EN 60335-2-17:2013 +A11:2019 +A1:2020 +A2:2021 §13.3 §16.3
Storage water heaters		EN 60335-2-21:2021 +A1:2021 §13.3 §16.3
Refrigerating appliances, ice-cream appliances and ice makers		EN IEC 60335-2-24:2022 +A11:2022§13.3, §16.3

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Room heaters	Dielectric strength (0-5) kV a.c.	EN 60335-2-30:2009 +A11:2012 +A1:2020 +A12:2020 +A13:2022 +A2:2022 §13.3 §16.3
Commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor		EN IEC 60335-2-89:2022 +A11:2022§13.3, §16.3
Commercial electric kitchen machines		EN 60335-2-64:2000 +A1:2002 §13.3, §16.3
Commercial dispensing appliances and vending machines		EN IEC 60335-2-75:2023 +A11:2023 +A1:2023 +A2:2023§ 8
Medical electrical equipment		EN 60601-1:2006 +A1:2013 +A12:2014 +A2:2021 §8.8.3
Luminaires		EN IEC 60598-1:2021 +A11:2022 §10.2.2
Fixed general purpose luminaires		EN IEC 60598-2-1:2021§1.15
Recessed luminaires		EN 60598-2-2:2012 §2.15
Luminaires for road and street lighting		EN 60598-2-3:2003 +A1:2011 §3.14
Portable general purpose luminaires		EN 60598-2-4:2018 §4.14
Floodlights		EN 60598-2-5:2015 §5.14
Handlamps		EN 60598-2-8:2013 §8.14
Portable luminaires for children		EN 60598-2-10:2003 §10.14
Mains socket-outlet mounted nightlights		EN 60598-2-12:2013 §12.11
Ground recessed luminaires		EN 60598-2-13:2006 +A1:2012 +A2:2016 +A11:2021 §13.14
Luminaires for swimming pools and similar applications		EN IEC 60598-2-18:2022 §18.15
Lighting chains		EN 60598-2-20:2015 §20.15
Rope lights		EN 60598-2-21:2015 §21.15
Luminaires for emergency lighting		EN IEC 60598-2-22:2022 §22.15
Audio/video, information and communication technology equipment		EN IEC 62368-1-2020 +A11:2020 §5.4.9
Electrical equipment of machines		EN 60204-1:2018 §18.4
Power transformers, power supplies, reactors and similar products		EN IEC 61558-1:2019 § 18.1, § 18.3
Automatic electrical controls for household and similar use		EN 60730-1:2016 +A1:2019 +A2:2022 § 13.2
Electrical equipment for measurement, control, and laboratory use		EN 61010-1:2010 +A1:2019 § 6.8
Conduit systems for cable management		EN 61386-1:2008 +A1:2019 §11.3

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Cable trunking systems and cable ducting systems for electrical installations		EN 50085-1:2005 +A1:2013 § 11.2.4
Switches for household and similar fixed-electrical installations		EN 60669-1:2018 § 16.2
Plugs, socket-outlets and couplers for industrial purposes		EN IEC 60309-1:2022 § 19.3
Electric toys		EN IEC 62115:2020 +A11:2020 §10, §12
Plugs and socket-outlets for household and similar purposes		IEC 60884-1:2022 § 17.2
Road traffic signal systems		EN 50556:2018 §6.5.9
Low-voltage switchgear and controlgear assemblies		EN IEC 61439-1:2021 §10.9
Lamp controlgear		EN 61347-1:2015 +A1:2021 §12
LED modules for general lighting		EN IEC 62031:2020 +A11:2021 §12
Self-ballasted lamps for general lighting services		EN 60968:2015 §8.3
Electric vehicle conductive charging system		EN IEC 61851-1:2019 §12.7.1
Self-ballasted LED-lamps for general lighting services by voltage > 50 V		EN 62560:2012 +A1:2015 +A11:2019 §8.3
Electrical, electronic and programmable equipment intended for control, monitoring, alarm and protection systems for use in ships.		IACS Req.1991 E10 /Rev.8 2021 A/A 10
Household and similar use electrical appliances	Leakage current	EN IEC 60335-1:2023 +A11:2023 § 13.1 § 13.2 § 16.1 § 16.2 EN 60335-2-102:2016 §13
Grills, toasters and similar portable cooking appliances		EN IEC 60335-2-9:2023 +A11:2023§13.1 §13.2 §16.1 §16.2
Blankets, pads, clothing and similar flexible heating appliances		EN 60335-2-17:2013 +A11:2019 +A1:2020 +A2:2021 §13.1 §13.2 §16.1 §16.2
Storage water heaters		EN 60335-2-21:2021 +A1:2021 §13.1 §13.2 §16.1 §16.2
Refrigerating appliances, ice-cream appliances and ice makers		EN IEC 60335-2-24:2022 +A11:2022§13.1 §13.2 §16.1 §16.2
Room heaters		EN 60335-2-30:2009 +A11:2012 +A1:2020 +A12:2020 +A13:2022 +A2:2022 §13.1 §13.2 §16.1 §16.2
Commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor		EN IEC 60335-2-89:2022 +A11:2022§13.1 §13.2 §16.1 §16.2

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Commercial electric kitchen machines	Leakage current	EN 60335-2-64:2000 +A1:2002 §13.1 §13.2 §16.1 §16.2
Luminaires		EN IEC 60598-1:2021 +A11:2022 §10.3 Annex G
Fixed general purpose luminaires		EN IEC 60598-2-1:2021§1.15
Recessed luminaires		EN 60598-2-2:2012 §2.15
Luminaires for road and street lighting		EN 60598-2-3:2003 +A1:2011 §3.14
Portable general purpose luminaires		EN 60598-2-4:2018 §4.14
Floodlights		EN 60598-2-5:2015 §5.14
Handlamps		EN 60598-2-8:2013 §8.14
Portable luminaires for children		EN 60598-2-10:2003 §10.14
Mains socket-outlet mounted nightlights		EN 60598-2-12:2013 §12.11
Ground recessed luminaires		EN 60598-2-13:2006 +A1:2012 +A2:2016 +A11:2021 §13.14
Luminaires for swimming pools and similar applications		EN IEC 60598-2-18:2022 §18.15
Lighting chains		EN 60598-2-20:2015 §20.15
Rope lights		EN 60598-2-21:2015 §21.15
Luminaires for emergency lighting		EN IEC 60598-2-22:2022 §22.15
Audio/video, information and communication technology equipment		EN IEC 62368-1-2020 +A11:2020 §5.7.6.2
Power transformers, power supplies, reactors and similar products		EN IEC 61558-1:2019 § 18.1, § 18.5
Arc welding equipment		EN IEC 60974-1:2022 +A11:2022 +A12:2023 § 6.3.2
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery		EN 62841-1:2015 §14.4 Annex C
Plugs and socket-outlets for household and similar purposes	Moisture resistance and insulation resistance measurement	IEC 60884-1:2022 §16.3 §17.1
Luminaires		EN IEC 60598-1:2021 +A11:2022 §10.2 §10.2.1 EN 60598-2-3:2003 +A1:2011 §3.14
Fixed general purpose luminaires		EN IEC 60598-2-1:2021§1.14
Recessed luminaires		EN 60598-2-2:2012 §2.15
Luminaires		EN 60598-2-3:2003 +A1:2011 §3.14
Portable general purpose luminaires		EN 60598-2-4:2018 §4.14

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Floodlights	Moisture resistance and insulation resistance measurement	EN 60598-2-5:2015 §5.14
Handlamps		EN 60598-2-8:2013 §8.14
Portable luminaires for children		EN 60598-2-10:2003 §10.14
Mains socket-outlet mounted nightlights		EN 60598-2-12:2013 §12.11
Ground recessed luminaires		EN 60598-2-13:2006 +A1:2012 +A2:2016 +A11:2021 §13.14
Luminaires for swimming pools and similar applications		EN IEC 60598-2-18:2022 §18.15
Lighting chains		EN 60598-2-20:2015 §20.15
Rope lights		EN 60598-2-21:2015 §21.15
Luminaires for emergency lighting		EN IEC 60598-2-22:2022 §22.15
Electrical installations in ships		IEC 60092-504:2016 §5 Table 1 Test 5
Electrical, electronic and programmable equipment intended for control, monitoring, alarm and protection systems for use in ships.		IACS Req.1991 E10 /Rev.8 2021 A/A 9
Switches for household and similar fixed-electrical installations		EN 60669-1:2018 §16.1
Automatic electrical controls for household and similar use		EN 60730-1:2016 +A1:2019 +A2:2022 §13.1
Lamp controlgear.		EN 61347-1:2015 +A1:2021 §11
Power transformers, power supplies, reactors and similar products		EN IEC 61558-1:2019 §18.1 §18.2
Electrical equipment of machines.		EN 60204-1:2018 §18.3
Self-ballasted LED-lamps for general lighting services by voltage > 50 V		EN 62560:2012 +A1:2015 +A11:2019 §18.2
Conduit systems for cable management		EN 61386-1:2008 +A1:2019 §11.3
Electric cables:	Electrical DC resistance of conductor	EN 50395:2005 +A1:2011 §5 EN 60228:2005 Annex A
Polyvinyl chloride insulated and sheathed power cables for rated voltage 600/1000 V		ELOT 843:2016 §11.2
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)		EN 50525-1:2011 +A1:2022 § 5.2.5
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation	Electrical DC resistance of conductor	EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		EN 50525-2-81:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 Table 2
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 3 kV (Um=3,6 kV)		IEC 60502-1:2021 § 15.2
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V		IEC 60227-1:2024 § 5.1.4
Rubber insulated cables - Rated voltages up to and including 450/750 V		IEC 60245-1:2003 +A1:2007 § 5.1.5
Sheathed Polyvinyl chloride (PVC) insulated cables of rated voltages up to and including 450/750 V		ΕΛΟΤ 563.4:1997 +A1:2003 § 2.3
Electric cables:	Voltage test on completed cable	EN 50395:2005 +A1:2011 §6
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)		EN 50525-1:2011 +A1:2022 §7.2
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation	Voltage test on completed cable	EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		EN 50525-2-81:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Annex A
Polyvinyl chloride insulated and sheathed power cables for rated voltage 600/1000 V		ELOT 843:2016 §11.3
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 3 kV (Um=3,6 kV)		IEC 60502-1:2021 § 15.3
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V		IEC 60227-1:2024 § 5.6 Table 3
Rubber insulated cables - Rated voltages up to and including 450/750 V		IEC 60245-1:2003 +A1:2007 § 5.1.5 Table 3
Sheathed Polyvinyl chloride (PVC) insulated cables of rated voltages up to and including 450/750 V		ELOT 563.4:1997 +A1:2003 Table 2
Electric cables:	Voltage test on cores	EN 50395:2005 +A1:2011 §7
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)		EN 50525-1:2011 +A1:2022 §7.2
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Polyvinyl chloride insulated and sheathed power cables for rated voltage 600/1000 V		ELOT 843:2016 §13.3
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 3 kV (Um=3,6 kV)		IEC 60502-1:2021 § 17.3
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V		IEC 60227-1:2024 § 5.6 Table 3
Rubber insulated cables - Rated voltages up to and including 450/750 V		IEC 60245-1:2003 +A1:2007 § 5.1.5 Table 3

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Sheathed Polyvinyl chloride (PVC) insulated cables of rated voltages up to and including 450/750 V		ELOT 563.4:1997 +A1:2003 Table 2
Electric cables:	Insulation resistance test < 90 °C	EN 50395:2005 +A1:2011 §8.1 IEC 60502-1:2021 § 17.1 § 17.2
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)		EN 50525-1:2011 +A1:2022 §7.2
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 Table 2
Polyvinyl chloride insulated and sheathed power cables for rated voltage 600/1000 V		ELOT 843:2016 §13.1
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V		IEC 60227-1:2024 § 5.6 Table 3
Sheathed Polyvinyl chloride (PVC) insulated cables of rated voltages up to and including 450/750 V		ELOT 563.4:1997 +A1:2003 Table 2
Electric cables:	Insulation resistance test > 90 °C	EN 50395:2005 +A1:2011 §8.2
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)		EN 50525-1:2011 +A1:2022 §7.2
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 Table 2
Polyvinyl chloride insulated and sheathed power cables for rated voltage 600/1000 V		ELOT 843:2016 §13.2
Electric cables:	Cable Flexing test	EN 50396:2005 +A1:2011 §6.2 EN 50395:2005 +A1:2011 §7
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - High flexibility braided cables with crosslinked elastomeric insulation		EN 50525-2-22:2011 Annex A
Cables for general applications - Oil resistant control cables with thermoplastic PVC insulation		EN 50525-2-51:2011 Annex A
Cables for general applications - Flat divisible cables (cords) with thermoplastic PVC insulation		EN 50525-2-72:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric insulation for decorative chains		EN 50525-2-82:2011 Annex A
Cables for general applications - Multicore cables with crosslinked silicone rubber insulation		EN 50525-2-83:2011 Annex A
Cables with special fire performance - Flexible cables with halogen-free thermoplastic insulation, and low emission of smoke		EN 50525-3-11:2011 Annex A
Blankets, pads, clothing and similar flexible heating appliances		EN 60335-2-17:2013 +A11:2019 +A1:2020 +A2:2021 §21.111.1
Electric cables:	Surface resistance of sheath	EN 50395:2005 +A1:2011 §11
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Single core cables with crosslinked silicone rubber insulation		EN 50525-2-41:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric insulation for decorative chains		EN 50525-2-82:2011 Annex A

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Cables for general applications - Multicore cables with crosslinked silicone rubber insulation		EN 50525-2-83:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-3-21:2011 Annex A
Cables with special fire performance - Flexible cables with halogen-free thermoplastic insulation, and low emission of smoke		EN 50525-3-11:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 Table 2
Electrical products and equipment, telecommunication equipment, electronics	Glow-wire test (500-960) °C	EN IEC 60695-2-10:2021 EN IEC 60695-2-11:2021 EN IEC 60695-2-12:2021 EN IEC 60695-2-13:2021
Household and similar use electrical appliances		EN IEC 60335-1:2023 +A11:2023§30.2
Luminaires		EN IEC 60598-1:2021 +A11:2022 §13.3
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations		EN IEC 60670-1:2021 +A11:2021 §18
Conduit systems for cable management		EN 61386-1:2008 +A1:2019 §13.1.3.1
Lamp controlgear		EN 61347-1:2015 +A1:2021 §18.3
LED modules for general lighting		EN IEC 62031:2020 +A11:2021 §18
Plugs and fixed or portable socket-outlets		IEC 60884-1:2022 §28.1.1
Empty enclosures for low-voltage switchgear and controlgear assemblies		EN IEC 62208:2023 §9.9.3
Low-voltage switchgear and controlgear assemblies		EN IEC 61439-1:2021 §10.2.3.2
Cable trunking systems and cable ducting systems for electrical installations		EN 50085-1:2005 +A1:2013 §13.1.1, §13.1.2
Self-ballasted LED-lamps for general lighting services by voltage > 50 V		EN 62560:2012 +A1:2015 +A11:2019 §12
Electrical products and equipment, telecommunication equipment, electronics	Tracking test (0-600) V	EN IEC 60112:2020
Household and similar use electrical appliances		EN IEC 60335-1:2023 +A11:2023Annex N

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Luminaires		EN IEC 60598-1:2021 +A11:2022 §13.4
Plugs and socket-outlets for household and similar purposes		IEC 60884-1:2022 §28.2
Plugs, socket-outlets and couplers for industrial purposes		EN IEC 60309-1:2022 §27.5
Appliance couplers for household and similar general purposes		EN IEC 60320-1:2021 §27.2
LED modules for general lighting		EN IEC 62031:2020 +A11:2021 §18
Lamp controlgear		EN 61347-1:2015 +A1:2021 §18.5
Switches for appliances		EN IEC 61058-1:2018 Annex D
Switches for household and similar fixed-electrical installations		EN 60669-1:2018 §24.2
Automatic electrical controls for household and similar use		EN 60730-1:2016 +A1:2019 +A2:2022 §21.2.7
Bayonet lampholders		EN 61184:2017 +A1:2022 §19.5
Edison screw lampholders		EN IEC 60238:2018 +A1:2018 +A2:2021 §21.5
Miscellaneous lampholders		EN 60838-1:2017 +A1:2017 +A2:2021 +A11:2021 §17.5
Connectors for LED-modules		EN 60838-2-2:2006 +A1:2012 §17
Household and similar use electrical appliances	Tracking test Earthing resistance (0-7) Ω	EN IEC 60335-1:2023 +A11:2023§27.5
Luminaires		EN IEC 60598-1:2021 +A11:2022 §7.2.3
Plugs and socket-outlets for household and similar purposes		IEC 60884-1:2022 §11.5
Audio/video, information and communication technology equipment		EN IEC 62368-1-2020 +A11:2020 §5.6.6
Medical electrical equipment		EN 60601-1:2006 +A1:2013 +A12:2014 +A2:2021 §8.6.4
Electrical equipment of machines		EN 60204-1:2018 §18.2.2
Household and similar use electrical appliances	Load discharge (0-230) V AC	EN IEC 60335-1:2023 +A11:2023§22.5
Luminaires		EN IEC 60598-1:2021 +A11:2022 §8.2.7
Plugs and socket-outlets for household and similar purposes		IEC 60884-1:2022 §8.4
Medical electrical equipment		EN 60601-1:2006 +A1:2013 +A12:2014 +A2:2021 §8.4
Electrical equipment of machines		EN 60204-1:2018 §6.2.4
Electromagnetic compatibility tests		

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Electrical and electronic equipment subjected to electrostatic discharges.	Electrostatic discharge immunity test air discharge method +2kV up to +8kV and contact discharge method +2kV up to +8kV	EN 61000-4-2:2009
Electrical installations in ships		IEC 60092-504:2016 §5 Table 1 No.13
Electrical and electronic installations in ships		IEC 60533:2015 §7.2
Maritime navigation and radiocommunication equipment and systems		IEC 60945:2002 §10.9
Alarm systems		EN 50130-4:2011 +A1:2014 §9
Equipment for general lighting purposes		EN IEC 61547:2023 §5.2
Electrical equipment for measurement, control and laboratory use	Electrostatic discharge immunity test air discharge method +2kV up to +8kV and contact discharge method +2kV up to +8kV	EN IEC 61326-1:2021 §6
Electrical equipment for measurement, control and laboratory use. In vitro diagnostic (IVD) medical equipment		EN IEC 61326-2-6:2021 Table 101
Low-voltage switchgear and controlgear assemblies		EN IEC 61439-1:2021§J.10.12.1
Low voltage power supplies, d.c. output		EN IEC 61204-3:2018 Table 1
Product family standard for lifts, escalators and moving walks - Immunity		EN 12016:2013
Immunity for industrial environments		EN IEC 61000-6-2:2019 Table 1
Immunity for residential, commercial and light-industrial environments		EN IEC 61000-6-1:2019 Table 1
Electrical and electronic equipment having an input current up to and including 16 A per phase, and intended to be connected to public low-voltage distribution systems.	Harmonic currents measurements in public low-voltage distribution systems.	EN IEC 61000-3-2:2019 +A1:2021
Electrical equipment for measurement, control and laboratory use		EN IEC 61326-1:2021 §7
Electrical equipment for measurement, control and laboratory use. In vitro diagnostic (IVD) medical equipment		EN IEC 61326-2-6:2021 §7
Low voltage power supplies, d.c. output		EN IEC 61204-3:2018 §6
Emission standard for residential, commercial and light-industrial environments		EN IEC 61000-6-3:2021

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection	Voltage fluctuations and flicker impressed on the public low-voltage system.	EN 61000-3-3:2013 +A1:2019 +A2:2021
Electrical equipment for measurement, control and laboratory use		EN IEC 61326-1:2021 §7
Electrical equipment for measurement, control and laboratory use. In vitro diagnostic (IVD) medical equipment		EN IEC 61326-2-6:2021 §7
Low voltage power supplies, d.c. output		EN IEC 61204-3:2018 §6
Emission standard for residential, commercial and light-industrial environments		EN IEC 61000-6-3:2021
Environmental Tests		
Electrical products and equipment, telecommunication equipment, electronics	Resistance to environmental conditions - Salt mist	EN IEC 60068-2-11:2021 EN IEC 60068-2-52:2018
Maritime navigation and radiocommunication equipment and systems		EN 60945:2002 §8.12
Electrical, electronic and programmable equipment intended for control, monitoring, alarm and protection systems for use in ships.		IACS Req.1991 E10 /Rev.8 2021 A/A 12
Military equipment	Resistance to environmental conditions - Salt mist	MIL STD 810G:2008 Method 509.5
Grills, toasters and similar portable cooking appliances		EN IEC 60335-2-9:2023 +A11:2023§31
Electrical installations in ships		IEC 60092-504:2016 §5
Electrical products and equipment, telecommunication equipment, electronics	Resistance to environmental conditions – Temperature cycling (-20 +180) °C (10 - 95) % RH	EN IEC 60068-2-14:2023 EN 60068-2-30:2005 EN IEC 60068-2-38:2021
Alarm systems		EN 50130-5:2011 §14 §15
Telecommunication equipment		ETSI EN 300 019-2-4 V2.5.1 (2018-07)
Electrical installations in ships		IEC 60092-504:2016 §5
Life-saving appliances		IMO 1991 Res.A.689(17) Part I §1.2, 2.1
Life-saving appliances		IMO MSC 70/23/Add.1 Annex 6 §1.2, 2.1
Electrical, electronic and programmable equipment intended for control, monitoring, alarm and protection systems for use in ships.		IACS Req.1991 E10 /Rev.8 2021 A/A 6
Military equipment		MIL-STD-883H:2010 Method 1004.7

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Maritime navigation and radiocommunication equipment and systems		EN 60945:2002 §8.3
Electrical products and equipment, telecommunication equipment, electronics	Resistance to environmental conditions – Dry heat (-20 +180) °C	EN 60068-2-2:2007
Maritime navigation and radiocommunication equipment and systems		EN 60945:2002 §8.2
Traffic control equipment - Signal heads		EN 12368:2024 Table 12
Telecommunication equipment		ETSI EN 300 019-2-4 V2.5.1 (2018-07)
Electrical installations in ships		IEC 60092-504:2016 §5
Electrical, electronic and programmable equipment intended for control, monitoring, alarm and protection systems for use in ships.		IACS Req.1991 E10 /Rev.8 2021 A/A 5
Life-saving appliances		IMO MSC Res. 81 (70): 1998 §1.2.1, 2.7.1, 4.2.3
Life-saving appliances	Resistance to environmental conditions – Dry heat (-20 +180) °C	IMO MSC Circular 980 §3.2.4
Military equipment		MIL STD 810G:2008 Method 501.5
Electrical products and equipment, telecommunication equipment, electronics	Resistance to environmental conditions – Damp heat (10 - 95) % RH (+5 +95)°C	EN 60068-2-78:2013
Household and similar use electrical appliances		EN IEC 60335-1:2023 +A11:2023§15.3
Low-voltage switchgear and controlgear assemblies		EN IEC 60947-1:2021 §C.13.5.2
Life-saving appliances		IMO MSC Circular 980 §3.2.5
Military equipment	Resistance to environmental conditions – Damp heat (10 - 95) % RH (+5 +95)°C	MIL STD 810G:2008 Method:507.5
Telecommunication equipment		ETSI EN 300 019-2-4 V2.5.1 (2018-07)
Electrical products and equipment, telecommunication equipment, electronics	Resistance to environmental conditions – Cold -50°C +5°C	EN 60068-2-1:2007
Maritime navigation and radiocommunication equipment and systems		EN 60945:2002 §8.4
Life-saving appliances		IMO MSC Circular 980 §3.2.3
Life-saving appliances		IMO MSC Res. 81 (70): 1998 § 4.2.2
Low-voltage switchgear and controlgear assemblies		EN IEC 60947-1:2021 Annex Q
Military equipment		MIL STD 810G:2008 Method:502.5
Telecommunication equipment		ETSI EN 300 019-2-8 V2.1.2 (1999-09)
Electrical, electronic and programmable equipment intended for control, monitoring, alarm and protection systems for use in ships.		IACS Req.1991 E10 /Rev.8 2021 A/A 11

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Electrical installations in ships		IEC 60092-504:2016 §5
Traffic control equipment - Signal heads		EN 12368:2024
Electrical products and equipment, telecommunication equipment, electronics	Vibration test (random – sinusoidal) 5 Hz – 3 kHz	EN 60068-2-6:2008 EN 60068-2-64:2008 +A1:2019
Luminaires		EN IEC 60598-1:2021 +A11:2022 §4.20
Connectors for LED-modules		EN 60838-2-2:2006 +A1:2012 §19.1
Refrigerating appliances, ice-cream appliances and ice makers		EN IEC 60335-2-24:2022 +A11:2022§21.101
Microwave ovens		EN IEC 60335-2-25:2021 +A11:2021§22.116
Battery chargers		EN 60335-2-29:2021 +A1:2021§21.102
Cable ties for electrical installations		EN IEC 62275:2019
Electricity metering equipment (AC)	Vibration test (random – sinusoidal) 5 Hz – 3 kHz	EN IEC 62052-11:2021 +A11:2022 +A12:2024 §5.2.2
Maritime navigation and radiocommunication equipment and systems		EN 60945:2002 §8.7
Electrical installations in ships		IEC 60092-504:2016 §5
Military equipment		MIL STD 810G:2008 Method:514.6
Military equipment		MIL STD 883H:2010 Method:2026
Traffic control equipment - Signal heads		EN 12368:2024
Fire detection and fire alarm systems		EN 54-10:2002 +A1:2005 §5.14, 5.15, 5.16
Fire detection and fire alarm systems		EN 54-24:2008 §5.16, 5.17
Telecommunication equipment		ETSI EN 300 019-2-4 V2.5.1 (2018-07)
Telecommunication equipment		ETSI EN 300 019-2-6 V3.1.1 (2023-10)
Telecommunication equipment		ETSI EN 300 019-2-8 V2.2.1 (2020-03)
Electrical, electronic and programmable equipment intended for control, monitoring, alarm and protection systems for use in ships.		IACS Req.1991 E10 /Rev.8 2021 A/A 7
Pollution prevention equipment for machinery space bilges of ships		IMO MEPC Res.107(49):2003 §3.2.2.1
Oil discharge monitoring and control systems for oil tankers		IMO MEPC Res.108(49):2003 §2.2.2.1
Maritime equipment		IMO MSC Res. 81(70):1998 §10.4.1, §13.2.2
Electric lifts		EN 81-20:2020 §F.6.3.1.1
Hydraulic lifts		EN 81-50:2020 §F.6.3.1.1

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Alarm systems	Vibration test (random – sinusoidal) 5 Hz – 3 kHz	EN 50130-5:2011 §22, 23
Telecommunication equipment		ETSI EN 300 019-2-4 V2.5.1 (2018-07)§3.5
Control, protection and safety Maritime equipment		IACS Req.1991 E10 /Rev.8 2021 Test No 7
Active implantable medical devices		EN 45502-2-1:2003, § 23.2, EN 45502-2-2:2008, § 23.2
Programmable controllers		EN 61131-2: 2017 § 6.3.1
Lead-acid starter batteries		EN 50342-1:2015 +A1:2018 +A2:2021 § 5.9
Low-voltage power supply devices, d.c. output		EN 61204: 1995+A1:2001 §7.2.6
Fire detection and fire alarm systems. Control and indicating equipment.		EN 54-2:1997 +A1:2006 §15.7 §15.15
Fire detection and fire alarm systems – Sounders		EN 54-3:2014 +A1:2019 §5.4.3.3, §5.4.3.4
Fire detection and fire alarm systems - Power supply equipment		EN 54-4:1997 +A1:2002 +A2:2006 §9.8, §9.15
Fire detection and fire alarm systems – Heat detectors - Point heat detectors		EN 54-5:2017+A1:2018 §5.16, §5.17
Fire detection and fire alarm systems – Smoke detectors - Point detectors using scattered light, transmitted light or ionization		EN 54-7:2018 §5.15, §5.16
Fire detection and fire alarm systems – Manual call points		EN 54-11:2001 +A1:2005 §5.16, §5.17
Fire detection and fire alarm systems - Smoke detectors - Line detectors using an optical beam		EN 54-12:2015 § 5.15
Fire detection and fire alarm systems - Voice alarm control and indicating equipment		EN 54-16:2008 §16.12, §16.13
Fire detection and fire alarm systems - Short-circuit isolators		EN 54-17:2005 §5.11, §5.12
Fire detection and fire alarm systems - Input/output devices		EN 54-18:2005 §5.10, §5.11
Fire detection and fire alarm systems - Aspirating smoke detectors		EN 54-20:2006 §6.12, §6.13

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Fire detection and fire alarm systems – Alarm transmission and fault warning routing equipment		EN 54-21:2006 §10.7
Fire detection and fire alarm systems – Fire alarm devices - Visual alarm devices		EN 54-23:2010 §5.4.3.3, §5.4.3.4
Fire detection and fire alarm systems - Components using radio links		EN 54-25:2008 §8.3.18, §8.3.19
Test Ea: Shock	Shock Test (27 kN)	EN 60068-2-27:2009
Military equipment		MIL STD 810G:2008 Method:516.6
Low-voltage power supply devices, d.c. output		EN 61204:1995+A1:2001, §7.2.4
Programmable controllers	Shock Test (27 kN)	EN 61131-2: 2017, §6.3.2
Electricity metering - Tariff and load controls - Time switches		EN 62052−21:2004 +A1:2017 §5.2.2.2
Telecommunication equipment		ETSI EN 300 019-2-4 V2.5.1 (2018-07)§3.5
Microelectronic devices suitable for use within Military and Aerospace electronic systems.		MIL-STD-883H:2010 METHOD 2002.5
Alarm systems		EN 50130-5:2011 §19
Fibre optic interconnecting devices and passive components		EN 61300-2-9:2017 §6
Electric lifts		EN 81-20:2020 §F.6.3.1.1 b), §F.6.3.1.2
Hydraulic lifts		EN 81-50:2020 §F.6.3.1.1 b), §F.6.3.1.2
Inland navigation vessels and sea-going vessels - Navigation light		EN 14744:2005 § 4.8.10 § 5.4.1
Low-voltage power supply devices, d.c. output		EN 61204: 1995+A1:2001 § 7.2.4
Fire detection and fire alarm systems – Sounders		EN 54-3:2014 +A1:2019 §5.4.3.1
Fire detection and fire alarm systems – Heat detectors - Point heat detectors		EN 54-5:2017+A1:2018 §5.14

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Fire detection and fire alarm systems – Smoke detectors - Point detectors using scattered light, transmitted light or ionization		EN 54-7:2018 §5.13
Fire detection and fire alarm systems – Manual call points		EN 54-11:2001 +A1:2005 §5.14
Fire detection and fire alarm systems - Input/output devices		EN 54-18:2005 §5.8
Fire detection and fire alarm systems - Aspirating smoke detectors		EN 54-20:2006 §6.10
Non-metallic material subjected to heat resistance test (ball pressure test).	Resistance to heat / Ball pressure test	EN 60695-10-2:2014 In conjunction with the following standards:
Plugs and socket-outlets for household and similar purposes	Resistance to heat / Ball pressure test	IEC 60884-1:2022 § 25.1, § 25.2 και §25.3
Medical electrical equipment		EN 60601-1:2006 +A1:2013 +A12:2014 +A2:2021 §8.8.4.1
Household and similar use electrical appliances		EN IEC 60335-1:2023 +A11:2023 §30.1
Appliances for heating liquids		EN 60335-2-15:2016 +A11:2018 +A1:2021 +A2:2021 +A12:2021 §30.1
Commercial dispensing appliances and vending machines		EN IEC 60335-2-75:2023 +A11:2023 +A1:2023 +A2:2023§ 30.1
Luminaires		EN IEC 60598-1:2021 +A11:2022 §13.2.1
Switches for household and similar fixed-electrical installations		EN 60669-1:2018 § 21.2, 21.3
Audio/video, information and communication technology equipment		EN IEC 62368-1-2020 +A11:2020 §5.7.6.2
Power transformers, power supplies, reactors and similar products		EN IEC 61558-1:2019 §27.1
Switches for appliances		EN IEC 61058-1:2018 §21.1
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations		EN IEC 60670-1:2021 +A11:2021 §16.1, §16.2
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery		EN 62841-1:2015 § 13.1
Self-ballasted LED-lamps for general lighting services by voltage > 50 V		EN 62560:2012 +A1:2015 +A11:2019 §11

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Conduit systems for cable management	Thermal properties. Pressure test at high temperature	EN 61386-1:2008 +A1:2019 §12
Rigid conduit systems		EN IEC 61386-21:2021 +A11:2021 §12
Pliable conduit systems		EN IEC 61386-22:2021 +A11:2021 §12
Flexible conduit systems		EN IEC 61386-23:2021 +A11:2021 §12
Electric cables:	Heat shock test for insulation and sheath	EN 60811-509:2012 +A1:2017 §4
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011
Insulating, sheathing and covering materials for low voltage energy cables - PVC insulating compounds		EN 50363-3:2005 +A1:2011
Insulating, sheathing and covering materials for low voltage energy cables - PVC sheathing compounds	Heat shock test for insulation and sheath	EN 50363-4-1:2005
Fire tests		
Electric cables:	Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame	***EN 60332-1-2:2004 +A1:2015 +A11:2016 +A12:2020** **EN 60695-11-2:2017
Cables for general applications - Flexible cables with thermoplastic PVC insulation		**EN 50525-2-11:2011 Table A.1
Cables for general applications - Cables with thermoplastic PVC insulation for extensible leads		**EN 50525-2-12:2011 Table C.1
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		**EN 50525-2-21:2011 Table A.2
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		**EN 50525-2-31:2011 Table A.1
Cables for general applications - Single core cables with crosslinked silicone rubber insulation		**EN 50525-2-41:2011 Table A.1
Electric cables for photovoltaic systems		**EN 50618:2014 §7.3.13 Table 2
Cables for general applications - Oil resistant control cables with thermoplastic PVC insulation		**EN 50525-2-51:2011 Table A.1
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		**EN 50525-2-71:2011 Table A.1

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Cables for general applications - Flat divisible cables (cords) with thermoplastic PVC insulation		**EN 50525-2-72:2011 Table A.1
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		**EN 50525-2-81:2011 Table A.1
Cables for general applications - Cables with crosslinked elastomeric insulation for decorative chains		**EN 50525-2-82:2011 Table A.1
Cables with special fire performance - Flexible cables with halogen-free thermoplastic insulation, and low emission of smoke		**EN 50525-3-11:2011 Table A.1
Cables with special fire performance - Flexible cables with halogen-free crosslinked insulation, and low emission of smoke		**EN 50525-3-21:2011 Table A.1
Cables with special fire performance - Single core non-sheathed cables with halogen-free thermoplastic insulation, and low emission of smoke		**EN 50525-3-31:2011 Table A.1
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		**EN 50525-3-41:2011 Table A.1
Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on electric cables		***EN 13501-6:2018 +A1:2022 §5.6
Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements	Test for vertical flame	Regulation (EU) 305/2011 Dec. 2011/284/EE EN 50575:2014 +A1:2016 Table 1
Conduit systems for cable management	Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame	EN 61386-1:2008 +A1:2019 §13.1.3.2
Cable trunking systems and cable ducting systems for electrical installations		EN 50085-1:2005 +A1:2013 § 13.1.3
Electrical equipment for measurement, control, and laboratory use.		EN 61010-1:2010 +A1:2019 § 9.3.2
Mechanical tests		
Plugs and socket-outlets for household and similar purposes	Breaking capacity and normal operation	IEC 60884-1:2022 § 20 και § 21

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Plugs and socket-outlets for household and similar purposes	Test Ec: Rough handling shocks, primarily for equipment-type specimens – Procedure 2 (tumbling barrel)	EN 60068-2-31:2008 IEC 60884-1:2022 § 24.2
Power transformers, power supplies, reactors and similar products		EN IEC 61558-1:2019 §16.4
Luminaires		EN IEC 60598-1:2021 +A11:2022 §4.13.6
Automatic electrical controls for household and similar use		EN 60730-1:2016 +A1:2019 +A2:2022 §18.6.1
Edison screw lampholders		EN IEC 60238:2018 +A1:2018 +A2:2021 §15.6
Surge protective devices connected to low-voltage power systems		EN 61643-11:2012 +A11:2018 §7.9.2.2
Blankets, pads, clothing and similar flexible heating appliances		EN 60335-2-17:2013 +A11:2019 +A1:2020 +A2:2021 §21.107
Lamp controlgear - Starting devices		EN 61347-2-1:2001 +A1:2006 +A2:2014 §17.1
Connecting devices for low-voltage circuits for household and similar purposes		EN 60998-1:2004 §14.2
Luminaires	Mechanical strength of screws and connections	EN IEC 60598-1:2021 +A11:2022 §4.12.1
	Mechanical strength of screw terminals	EN IEC 60598-1:2021 +A11:2022 §14.4.6
	Clamping reliability of terminal conductors	EN IEC 60598-1:2021 +A11:2022 §14.4.7
Portable general purpose luminaires	Stability test	EN 60598-2-4:2018 §4.6.2
Household and similar use electrical appliances		EN IEC 60335-1:2023 +A11:2023 §20.1 §20.2
Household and similar use electrical appliances	Mechanical strength of screws and connections	EN IEC 60335-1:2023 +A11:2023 §28.1
Electrical products and equipment, telecommunication equipment, electronics	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) IK01 up to IK10 0,14J up to 20J	EN 62262:2002 +A1:2021 EN 60068-2-75:2014
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations		EN IEC 60670-1:2021 +A11:2021 §15.4
Empty enclosures for low-voltage switchgear and controlgear assemblies		EN IEC 62208:2023 §9.7
Luminaires		EN IEC 60598-1:2021 +A11:2022 §4.13
Luminaires – Application of the IK code		IEC TR 62696:2011
Luminaires for road and street lighting		EN 60598-2-3:2003 +A1:2011 §3.6

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Floodlights		EN 60598-2-5:2015 § 5.6.8.2.1
Electric vehicle conductive charging system		EN IEC 61851-1:2019 §12.11
Household and similar use electrical appliances	Δοκιμή αντοχής στην κρούση	EN IEC 60335-1:2023 +A11:2023§21.1
Luminaires		EN IEC 60598-1:2021 +A11:2022 §4.13.1
Audio/video, information and communication technology equipment		EN IEC 62368-1-2020 +A11:2020 §T.6
Electric cables	Tensile strength test	EN 60811-201:2012 +A1:2017 +A2:2023 §4 EN 60811-203:2012 §4 EN 60811-401:2012 +A1:2017 §4 EN 60811-501:2012 +A1:2018 +A2:2023 §4
Cables for general applications - Flexible cables with thermoplastic PVC insulation	Tensile strength test	EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		EN 50525-2-81:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Annex A
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric insulating compounds		EN 50363-1:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric sheathing compounds		EN 50363-2-1:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric covering compounds		EN 50363-2-2:2005 Table 2

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Insulating, sheathing and covering materials for low voltage energy cables - PVC insulating compounds		EN 50363-3:2005 +A1:2011 Table 2
Electric cables for photovoltaic systems		EN 50618:2014 Table 2 Table B.1
Insulating, sheathing and covering materials for low voltage energy cables - PVC sheathing compounds		EN 50363-4-1:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Halogen-free, cross-linked insulating compounds		EN 50363-5:2005 +A1:2011 Table 2
Cable ties for electrical installations		EN IEC 62275:2019 §9.5 §9.6
Plastics - Determination of tensile properties		EN ISO 527-1:2019 §10.1
Electric cables:	Elongation at break test Elongation at break test	EN 60811-201:2012 +A1:2017 +A2:2023 §4 EN 60811-203:2012 §4 EN 60811-401:2012 +A1:2017 §4 EN 60811-501:2012 +A1:2018 +A2:2023 §4
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		EN 50525-2-81:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric insulating compounds		EN 50363-1:2005 Table 2

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric sheathing compounds		EN 50363-2-1:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric covering compounds		EN 50363-2-2:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC insulating compounds		EN 50363-3:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC sheathing compounds		EN 50363-4-1:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Halogen-free, cross-linked insulating compounds		EN 50363-5:2005 +A1:2011 Table 2
Electric cables for photovoltaic systems		EN 50618:2014 Table 2 Table B.1
Plastics - Determination of tensile properties		EN ISO 527-1:2019 §10.2
Electric cables:	Impact test at low temperature	EN 60811-506:2012 §4
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation	Impact test at low temperature	EN 50525-2-21:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		EN 50525-2-81:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 Table 2, Annex C

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Electric cables:	HOT SET test	EN 60811-507:2012 §4
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-3-21:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 Table B.1
Plugs and fixed or portable socket-outlets	Impact test at low temperature for electrical products and equipment, telecommunication equipment, electronics	IEC 60884-1:2022 §30.4
Conduit systems for cable management		EN 61386-1:2008 +A1:2019 §10.3
Rigid conduit systems		EN IEC 61386-21:2021 +A11:2021 §10
Pliable conduit systems		EN IEC 61386-22:2021 +A11:2021 §10
Flexible conduit systems		EN IEC 61386-23:2021 +A11:2021 §10
Cable ties for electrical installations		EN IEC 62275:2019 §9.4
Cable trunking systems and cable ducting systems for electrical installations		EN 50085-1:2005 +A1:2013 §10.3.1
Electric cables:	Bending test at low temperature	EN 60811-504:2012 §4
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding	Bending test at low temperature	EN 50525-2-81:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 § 7.3.6
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric insulating compounds		EN 50363-1:2005 Table 2

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric sheathing compounds		EN 50363-2-1:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric covering compounds		EN 50363-2-2:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC insulating compounds		EN 50363-3:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC sheathing compounds		EN 50363-4-1:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Halogen-free, cross-linked insulating compounds		EN 50363-5:2005 +A1:2011 Table 2
Electric cables:	Elongation test at low temperature	EN 60811-505:2012 §4
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		EN 50525-2-81:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke	Elongation test at low temperature	EN 50525-3-41:2011 Annex A
Electric cables for photovoltaic systems		EN 50618:2014 § 7.3.7
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric insulating compounds		EN 50363-1:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric sheathing compounds		EN 50363-2-1:2005 +A1:2011 Table 2

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric covering compounds		EN 50363-2-2:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC insulating compounds		EN 50363-3:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC sheathing compounds		EN 50363-4-1:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Halogen-free, cross-linked insulating compounds		EN 50363-5:2005 +A1:2011 Table 2
Electric cables:	Pressure test at high temperature for insulation and sheaths	EN 60811-508:2012 +A1:2017 +A2:2023 §4
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 Annex A
Cables for general applications - Flexible cables with crosslinked elastomeric insulation		EN 50525-2-21:2011 Annex A
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 Annex A
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 Annex A
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		EN 50525-2-81:2011 Annex A
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 Annex A
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric insulating compounds	Pressure test at high temperature for insulation and sheaths	EN 50363-1:2005 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - Cross-linked elastomeric sheathing compounds		EN 50363-2-1:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC insulating compounds		EN 50363-3:2005 +A1:2011 Table 2
Insulating, sheathing and covering materials for low voltage energy cables - PVC sheathing compounds		EN 50363-4-1:2005 Table 2

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Insulating, sheathing and covering materials for low voltage energy cables - Halogen-free, cross-linked insulating compounds		EN 50363-5:2005 +A1:2011 Table 2
Other Tests		
Plugs and fixed or portable socket-outlets	Resistance to rusting test	IEC 60884-1:2022 §29
Luminaires		EN IEC 60598-1:2021 +A11:2022 §4.18.1
Plugs and fixed or portable socket-outlets	Marking requirements. Marking durability test.	IEC 60884-1:2022 §8.8
Conduit systems for cable management		EN 61386-1:2008 +A1:2019 §7
Household and similar use electrical appliances		EN IEC 60335-1:2023 +A11:2023 §7
Luminaires		EN IEC 60598-1:2021 +A11:2022 §3
Domestic cooking appliances burning gas		EN 30-1-1:2021 +A1:2023 §8.1 §8.2
Electric toys		EN IEC 62115:2020 +A11:2020 §7
Audio/video, information and communication technology equipment		EN IEC 62368-1-2020 +A11:2020 §5.7.6.2
Medical electrical equipment		EN 60601-1:2006 +A2:2013 +A12:2014 +A2:2021 § 7.1.3
Cable ties for electrical installations		EN IEC 62275:2019 §7
Electric vehicle conductive charging system		EN IEC 61851-1:2019 §16.5
Electric cables:	Compliance with construction requirements	EN 50396:2005 + A1:2011 §5 EN 60228:2005 §7 HD 308 S2:2001 §3
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U)		EN 50525-1:2011+A1:2022 §5
Cables for general applications - Flexible cables with thermoplastic PVC insulation		EN 50525-2-11:2011 §4 §5
Cables for general applications - Flexible cables with crosslinked elastomeric insulation	Compliance with construction requirements	EN 50525-2-21:2011 §4 §5 §6 §7 §8
Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation		EN 50525-2-31:2011 §4 §5
Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation		EN 50525-2-71:2011 §4
Cables for general applications - Cables with crosslinked elastomeric covering for arc welding		EN 50525-2-81:2011 §4

Materials / Products tested	Types of test/ Properties measured	Applied methods / Techniques used
Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke		EN 50525-3-41:2011 §4
Electric cables for photovoltaic systems		EN 50618:2014 §5, §6
Polyvinyl chloride insulated and sheathed power cables for rated voltage 600/1000 V		ELOT 843:2016 §4
Polyvinyl chloride insulated and sheathed power cables for rated voltage 450/750 V		ELOT 563.1.1:2003 §2.3
Cables with crosslinked elastomeric insulation for rated voltage 450/750 V		ELOT 623.1.1:2003 §5
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V		IEC 60227-1:2024 §3 §4
Rubber insulated cables - Rated voltages up to and including 450/750 V		IEC 60245-1:2003 +A1:2007 §3 §4
Sheathed Polyvinyl chloride (PVC) insulated cables of rated voltages up to and including 450/750 V		ΕΛΟΤ 563.4:1997 +A1:2003 Πίνακας 2

**Test method standard included in the harmonized standard EN 50575:2014+A1:2016§5*

***Stantards relevant to the test method standard*

****standard relevant to the classification regarding the reaction to fire*

Site of assessment: Laboratory permanent premises, **A' Industrial Area, P.O. Box 13, GR 385 00 Volos**
Approved signatories: **K. Kariniotakis, N. Exarcheas**

This Scope of Accreditation replaces the previous one dated April 3rd, 2024.
The Accreditation Certificate No. **1182**-2, to ELOT EN ISO/IEC 17025:2017, is valid until October 3rd, 2028.

Athens, April 26th, 2024

Christos Nestoras
CEO of ESYD