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ITALIAN AND INTERNATIONAL STANDARDS

Technical information: ITALIAN AND INTERNATIONAL STANDARDS

MAIN ITALIAN STANDARDS AND ANY INTERNATIONAL REFERENCES		
TITLE	ITALIAN STANDARD	INTERNATIONAL STANDARD
Conductors for insulated cables	CEI EN 60228 CEI 20-29	EN IEC60228
Technical characteristics and specifications and test requirements for insulation and sheathing compounds for power and signalling cables	CEI EN 650363 CEI 20-11	EN 50363
Test methods for insulating materials and electrical cable sheaths	CEI EN 60811 CEI 20-34	EN IEC 60811
Test for non-propagation of fire - Tests on wires or cables arranged in bundles	CEI EN 60332-3-24	EN IEC 60332-3-24
Common test methods for cables in fire condition - Vertical flame non-propagation test on a single conductor or insulated cable	CEI 20-35 CEI EN 60332-1-2	EN IEC 60332-1-2
Test method for the fire resistance of small unprotected cables for use in emergency circuits	CEI EN 50200 CEI 20-36/4-0	EN 50200
Testing of electrical cables under fire conditions - Circuit integrity Part 1: Test method for mechanical shock fires at a temperature of at least 830°C for cables with nominal voltage up to and including 0,6/1,0kV and diameter greater than 20mm	CEI 20-36/ CEI EB 60331-1	CEI EN IEC 60331-1
Electrical cables - Fire resistance tests for unprotected cables (P classification)	CEI 20-36/6-0	EN 50577
Test on gases emitted during the combustion of materials taken from cables Part 1: Determination of halogen gas content	CEI 20-37 CEI EN 60754-1	EN IEC 60754-1
Test on gases emitted during the combustion of materials taken from cables Part 2: Determination of acidity (by pH measurement) and conductivity	CEI 20-37 CEI EN 60754-2	EN IEC 60754-2
Measurement of the density of smoke emitted by burning cables under defined conditions Part 2: Test procedure and requirements	CEI 20-37 CEI EN 61034-2	EN IEC 61034-2
Common test methods for cables in fire conditions - Measurement of heat emission and smoke generation on cables during the flame development test - Test equipment, procedures and results	CEI EN 20-108	EN 50399
Electrical test methods for low-voltage power cables	CEI EN 20-80	EN 50399
Electrical cables - Testing method for the detection of faults	CEI EN 20-70	EN IEC 62230
Non-electrical test methods for low voltage power cables	CEI 20-84	EN 50289-4-17
Communication cables - Test method specifications Part 4-17: Methods for testing the UV resistance of electrical and optical cable sheaths	CEI EN 46-173	EN 50289-4-17

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TITLE	ITALIAN STANDARD	INTERNATIONAL STANDARD
Environmental tests Part 2-78: Tests - Cab test: Wet heat, steady state	CEI EN 104-28	EN IEC 60068-2-78
Electrical insulating materials - thermal stress resistance properties Part 1: Ageing procedures and evaluation of experimental results	CEI EN 15-49	EN IEC 60216-1
Electrical insulating materials - thermal stress resistance properties Part 2: Determination of the thermal stress resistance properties of electrical insulating materials - Selection of test criteria	CEI EN 15-50	EN IEC 60216-2
Power, control and communication cables - Cables for general applications in construction work subject to fire resistance requirements	CEI EN 20-115	EN 50575
Electrical cables - Extended applications of fire reaction test results	CEI EN 20-117	EN 50575
Fire classification of products and construction elements - Part 6: Classification according to the results of fire reaction tests on electrical cables	UNI EN 13501-6	EN 13501-6
Reaction to fire class of cables in relation to the EU Regulation "Construction Products" (305/2011)	CEI UNEL 35016	/
National Annex to IEC Standard EN 50565-1 Electrical cables - Guide for the use of cables with a nominal voltage not exceeding 450/750 V (U0/U) Part 1: General criteria	CEI 20-40/1-1	/
National Annex to IEC EN 50565-2 Electrical cables - Guide to the use of cables with a nominal voltage not exceeding 450/750 V (U0/U) Part 2: Specific criteria for cable types specified in EN 50525	CEI 20-40/2-1	/
Electrical cables - Guide to the use of cables with a nominal voltage not exceeding 450/750 V (U0/U) Part 1: General criteria	CEI EN 20-40/1	EN 50565-1
Electrical cables - Guide to the use of cables with a rated voltage not exceeding 450/750 V (U0/U) Part 2: Specific criteria for cable types specified in EN 50525	CE EN 20-40/2	EN 50565-2
Guide to the use of cables 0,6/1 KV	CEI 20-67	/
Power and signalling cables System of designation	CEI 20-27	HD 361 S4
Power and signalling cables Codes of designation	CEI UNEL 35011	/
Marking and classification of cables in relation to fire	CEI UNEL 35012	/

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TITLE	ITALIAN STANDARD	INTERNATIONAL STANDARD
Identification of cable cores	CEI UNEL 00722	/
Marking by means of an inscription to identify the cores of electrical cables	CEI UNEL 00725 CEI EN 50334	EN 50334
Installations for the production, transmission and public distribution of electricity - Cable lines	CEI 11-17	/
Electrical cables insulated with elastomeric or thermoplastic material for nominal voltages not exceeding 1000 V in alternating current and 1500 V in direct current - Permanent current capacity for laying in free air	CEI UNEL 35024/1	/
Electrical cables insulated with elastomeric or thermoplastic material for nominal voltages of 1000 V in alternating current and 1500 V in direct current. Permanent flow rates for underground installation	CEI UNEL 35026	/
Electrical cables for photovoltaic systems	CEI ISO 91 CEI EN 50618	EN 50618
Electrical cables - Power cables with a nominal voltage not exceeding 450/750 V (U_0/U)	CEI EN 20-107	EN 50525
Insulated cables with non-fire-spreading rubber and low development of toxic and corrosive fumes and gases	CEI 20-38	/
Cables with extruded rubber insulation for nominal voltages from 1kV to 30 kV	CEI 20-13	/
Polyvinyl chloride insulated cables for nominal voltages from 1KV to 3KV	CEI 20-14	/
Fire resistant cables insulated with elastomeric compound with rated voltage U0/U not exceeding 0,6/1 kV	CEI 20-45	/
Fire-resistant, non-flame-spreading, halogen-free electrical cables with rated voltage 100/100 V for applications in stationary automatic fire alarm detection and signalling systems	CEI 20-105	/
Electrical installations for users with a nominal voltage not exceeding 1000V in alternating current and 1500V in direct current	CEI 64/8	HD 60364-1
Fixed automatic fire alarm detection and signalling systems - Design, installation and operation	UNI 9795:2021	/
Standard test method for the oxidative induction time of polyolefins by differential scanning calorimetry	/	ASTM D3895-03
Plastic materials - Methods of exposure to laboratory light sources - Part 2: Xenon arc lamps	UNI EN ISO 4892-2:2021	ISO 4892-2:2021 UNI EN 4892-2:2021