The Appendix is an integral part of
Certificate of Accreditation No. 28/2024 of 24/01/2024

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

PRAKAB PRAŽSKÁ KABELOVNA, s.r.o.
CAB number 1754, Testing Laboratory
Ke Kablu 278, Hostivař, 102 00 Praha

Testing laboratory locations:

1. **Physical Laboratory** Ke Kablu 278, Hostivař, 102 00 Praha
2. **Laboratory for Flame-Resistant Cables** Ke Kablu 278, Hostivař, 102 00 Praha

1. **Physical Laboratory**

Tests:

Ordinal number[1]	Test procedure/method name	Test procedure/method identification[2]	Tested object
1	Measurement of insulation thickness	ČSN EN 60811-201	Electric and optical fibre cables
2	Measurement of thickness of non-metallic sheath	ČSN EN 60811-202	Electric and optical fibre cables
3	Measurement of overall dimensions	ČSN EN 60811-203	Electric and optical fibre cables
4	Tests for determining the mechanical properties of insulating and sheathing compounds after thermal ageing	ČSN EN 60811-401 ČSN EN 60811-501	Electric and optical fibre cables
5	Water absorption test – electrical method	ČSN EN 60811-402, Except cl. 8.2.4	Electric and optical fibre cables
6	Tests for determining the mechanical properties of insulating and sheathing compounds after the sheath test by immersion in mineral oil	ČSN EN 60811-404 ČSN EN 60811-501	Electric and optical fibre cables
7	Thermal stability test for insulations and sheaths	ČSN EN 60811-405	Electric and optical fibre cables
8	Test of loss of mass of thermoplastic insulating and sheathing compounds	ČSN EN 60811-409	Electric and optical fibre cables
9	Tests for determining the mechanical properties of insulating and sheathing compounds	ČSN EN 60811-501	Electric and optical fibre cables
10	Shrinkage test for insulations	ČSN EN 60811-502 ČSN 34 7010-82 ed. 2, cl. 2.4.4.5	Electric and optical fibre cables
11	Shrinkage test for sheaths	ČSN EN 60811-503	Electric and optical fibre cables
12	Test for resistance to cracking of insulation and sheath during winding at low temperature	ČSN EN 60811-504	Electric and optical fibre cables

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Ordinal number[1]	Test procedure/method name	Test procedure/method identification[2]	Tested object
13	Test for resistance to cracking of insulation and sheath by mechanical impact at low temperature	ČSN EN 60811-506	Electric and optical fibre cables
14	Test for dimensional change of cross-linked materials under compressive loading and after high temperature relief	ČSN EN 60811-507	Electric and optical fibre cables
15	High temperature compression test for insulation and sheaths	ČSN EN 60811-508	Electric and optical fibre cables
16	Test for resistance of insulations and sheaths to cracking (heat shock test)	ČSN EN 60811-509	Electric and optical fibre cables
17	Determination of density – method for determining the mass during immersion	ČSN EN 60811-606, except cl. 4.2, 4.3	Electric and optical fibre cables
18	Measurement of dimensions	ČSN 34 7010-82 ed. 2, cl. 2.1 except 2.1.10	Electric cables
19	Measurement of Shore D hardness of PE sheath	ČSN 34 7010-82 ed. 2, cl. 2.2.1	Electric cables
20	Tests for determining the mechanical properties of insulating and sheathing compounds after immersion of the sheath in water	ČSN 34 7010-82 ed. 2, cl. 2.2.12 ČSN EN 60811-501	Electric cables
21	Tensile strength test of metal components with calculation of the strength of stranded cores	ČSN 34 7010-82 ed. 2, cl. 2.3.1 ČSN 34 7614-2, cl. 2.1.1	Electric cables
22	Shrinkage test for sheaths	ČSN 34 7010-82 ed. 2, cl. 2.4.4.1	Electric cables
23	Longitudinal shrinkage test of sheath	ČSN 34 7010-82 ed. 2, cl. 2.4.4.3	Electric cables with PE sheath
24	Test for colour change, efflorescence and cracking at high temperature	ČSN 34 7010-82 ed. 2, cl. 2.4.13	Electric cables
25	Check of the durability of colours and marking	ČSN 34 7010-82, ed. 2, cl. 2.5.4	Electric cables
26	Determination of electrical resistance	ČSN 34 7010-82 ed. 2, cl. 3.1.1 ČSN EN 60228 ČSN EN 50395, cl. 5	Cores of electric cables
27	Determination of electrical resistance	ČSN 34 7010-82 ed. 2, cl. 3.1.2	Armour of electric cables

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Ordinal number[1]	Test procedure/method name	Test procedure/method identification[2]	Tested object
28	Tests by applied voltage	ČSN 34 7010-82 ed. 2, cl. 3.2.1	Electric cables
29	Tests by applied voltage	ČSN 34 7010-82 ed. 2, cl. 3.2.2	Cores of electric cables
30	Applied voltage tests on the outer sheath	ČSN 34 7010-82 ed. 2, cl. 3.2.3	Electric cables
31	Special four-hour applied voltage test	ČSN 34 7010-82 ed. 2, cl. 3.2.5	Electric cables
32	Tests of insulation resistance	ČSN 34 7010-82 ed. 2, cl. 3.3 except 3.3.5	Electric cables
33	Test by applied voltage	ČSN EN 50395, cl. 6	Electric cables and wires
34	Voltage tests of cores in water	ČSN EN 50395, cl. 7	Cores of electric cables and wires
35	Determination of insulation resistance at elevated temperature	ČSN EN 50395, cl. 8.1	Electric cables and wires
36	Long-term insulation resistance to DC current	ČSN EN 50395, cl. 9	Electric cables and wires
37	Measurement of insulation thickness	ČSN EN 50396, cl. 4.1	Electric cables and wires
38	Measurement of sheath thickness	ČSN EN 50396, cl. 4.2	Electric cables and wires with circular cross-section
39	Measurement of sheath thickness	ČSN EN 50396, cl. 4.3	Flat electric cables and wires
40	Measurement of overall dimensions and ovality	ČSN EN 50396, cl. 4.4	Electric cables and wires
41	Durability of marking and colours	ČSN EN 50396, cl. 5.1	Electric cables and wires
42	Green-and-yellow measurement	ČSN EN 50396, cl. 5.2	Insulation of electric cables and wires
43	Insulation to core adhesion tests	ČSN 34 7614-2, cl. 2.2.3	Cables for overhead lines
44	Determination of electrical resistance	ČSN 34 7614-2, cl. 3.1	Cables for overhead lines
45	Tests by applied high voltage	ČSN 34 7614-2, cl. 3.2	Cables for overhead lines
46	Determination of the sheath resistance to rupture	ČSN 34 7010-82 ed. 2, cl. 2.2.2	Electric cables

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2. **Laboratory for Flame-Resistant Cables**

Tests:

Ordinal number[1]	Test procedure/method name	Test procedure/method identification[2]	Tested object
1	Measurement of smoke density of burning cables	ČSN EN 61034-2	Electric cables and wires
2	Test for vertical flame propagation	ČSN EN 60332-1-2 ČSN EN 60332-1-3	Electric and optical fibre cables
3	Test for vertical flame propagation	ČSN EN 60332-2-2	Electric and optical fibre cables of small cross-section
4	Vertical flame spread test on vertically-mounted bundles	ČSN EN IEC 60332-3-21 ed. 2 ČSN EN IEC 60332-3-22 ed. 2 ČSN EN IEC 60332-3-23 ed. 2 ČSN EN IEC 60332-3-24 ed. 2 ČSN EN IEC 60332-3-25 ed. 2	Electric and optical fibre cables
5	Fire resistance test	ČSN EN 50200 ed. 3	Unprotected small diameter electric cables for use in emergency circuits
6	Fire resistance test	ČSN EN 50362	Unprotected large diameter electric cables for use in emergency circuits
7	Determination of acidity of gases evolved during combustion by pH measurement and conductivity	ČSN EN 60754-2	Electric and optical fibre cables
8	Fire and mechanical resistance test at a temperature of at least 830 °C	ČSN EN IEC 60331-1	Electric cables of rated voltages up to and including 0,6/1,0 kV with an overall outer diameter greater than 20 mm
9	Test of circuit integrity under fire conditions	ČSN IEC 60331-21 ČSN IEC 60331-23	Electric cables
10	Measurement of released heat and smoke during the flame spread test	ČSN EN 50399 ed. 2, Except cl. 4.9.2	Electric and optical fibre cables

[1] asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

[2] if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)