

**The Appendix is an integral part of
Certificate of Accreditation No. 628/2024 of 27/11/2024**

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 10

Testing laboratory locations:

- | | |
|---|---|
| <p>1. Physical Laboratory</p> <p>2. Laboratory for Flame-Resistant Cables</p> | <p>Ke Kablu 278, Hostivař, 102 00 Praha</p> <p>Ke Kablu 278, Hostivař, 102 00 Praha</p> |
|---|---|

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1 ¹	Measurement of insulation thickness	ČSN EN 60811-201	Electric and optical fibre cables	-
2 ¹	Measurement of thickness of non-metallic sheath	ČSN EN 60811-202	Electric and optical fibre cables	-
3 ¹	Measurement of overall dimensions	ČSN EN 60811-203	Electric and optical fibre cables	-
4 ¹	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 ¹	Water absorption test – electrical method	ČSN EN 60811-402, except cl. 4.4	Electric and optical fibre cables	-
6 ¹	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 ¹	Thermal stability test for insulations and sheaths	ČSN EN 60811-405	Electric and optical fibre cables	-
8 ¹	Test of loss of mass of thermoplastic insulating and sheathing compounds	ČSN EN 60811-409	Electric and optical fibre cables	-
9 ¹	Tests for determining the mechanical properties of insulating and sheathing compounds	ČSN EN 60811-501	Electric and optical fibre cables	-
10 ¹	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 ¹	Shrinkage test for sheaths	ČSN EN 60811-503	Electric and optical fibre cables	-



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
12 ¹	Test for resistance to cracking of insulation and sheath during winding at low temperature	ČSN EN 60811-504	Electric and optical fibre cables	-
13 ¹	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 ¹	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 ¹	High temperature compression test for insulation and sheaths	ČSN EN 60811-508	Electric and optical fibre cables	-
16 ¹	Test for resistance of insulations and sheaths to cracking (heat shock test)	ČSN EN 60811-509	Electric and optical fibre cables	-
17 ¹	Determination of density – method for determining the mass during immersion	ČSN EN 60811-606, except cl. 4.2 and 4.3	Electric and optical fibre cables	-
18 ¹	Measurement of dimensions	ČSN 34 7010-82 ed. 2, cl. 2.1 except cl. 2.1.10	Electric cables	-
19 ¹	Measurement of Shore D hardness of PE sheath	ČSN 34 7010-82 ed. 2, cl. 2.2.1	Electric cables	-
20 ¹	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 ¹	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 ¹	Shrinkage test for sheaths	ČSN 34 7010-82 ed. 2, cl. 2.4.4.1	Electric cables	-
23 ¹	Longitudinal shrinkage test of sheath	ČSN 34 7010-82 ed. 2, cl. 2.4.4.3	Electric cables with PE sheath	-
24 ¹	Test for colour change, efflorescence and cracking at high temperature	ČSN 34 7010-82 ed. 2, cl. 2.4.13	Electric cables	-
25 ¹	Check of the durability of colours and marking	ČSN 34 7010-82, ed. 2, cl. 2.5.4	Electric cables	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
26 ¹	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 ¹	Determination of electrical resistance	ČSN 34 7010-82 ed. 2, cl. 3.1.2	Armour of electric cables	-
28 ¹	Tests by applied voltage	ČSN 34 7010-82 ed. 2, cl. 3.2.1	Electric cables	-
29 ¹	Tests by applied voltage	ČSN 34 7010-82 ed. 2, cl. 3.2.2	Cores of electric cables	-
30 ¹	Applied voltage tests on the outer sheath	ČSN 34 7010-82 ed. 2, cl. 3.2.3	Electric cables	-
31 ¹	Special four-hour applied voltage test	ČSN 34 7010-82 ed. 2, cl. 3.2.5	Electric cables	-
32 ¹	Tests of insulation resistance	ČSN 34 7010-82 ed. 2, cl. 3.3 except cl. 3.3.5	Electric cables	-
33 ¹	Test by applied voltage	ČSN EN 50395, cl. 6	Electric cables and wires	-
34 ¹	Voltage tests of cores in water	ČSN EN 50395, cl. 7	Cores of electric cables and wires	-
35 ¹	Determination of insulation resistance at elevated temperature	ČSN EN 50395, cl. 8.1	Electric cables and wires	-
36 ¹	Long-term insulation resistance to DC current	ČSN EN 50395, cl. 9	Electric cables and wires	-
37 ¹	Measurement of insulation thickness	ČSN EN 50396, cl. 4.1	Electric cables and wires	-
38 ¹	Measurement of sheath thickness	ČSN EN 50396, cl. 4.2	Electric cables and wires with circular cross-section	-
39 ¹	Measurement of sheath thickness	ČSN EN 50396, cl. 4.3	Flat electric cables and wires	-
40 ¹	Measurement of overall dimensions and ovality	ČSN EN 50396, cl. 4.4	Electric cables and wires	-
41 ¹	Durability of marking and colours	ČSN EN 50396, cl. 5.1	Electric cables and wires	-
42 ¹	Green-and-yellow measurement	ČSN EN 50396, cl. 5.2	Insulation of electric cables and wires	-
43 ¹	Insulation to core adhesion tests	ČSN 34 7614-2, cl. 2.2.3	Cables for overhead lines	-



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
44 ¹	Determination of electrical resistance	ČSN 34 7614-2, cl. 3.1	Cables for overhead lines	-
45 ¹	Tests by applied high voltage	ČSN 34 7614-2, cl. 3.2	Cables for overhead lines	-
46 ¹	Determination of the sheath resistance to rupture	ČSN 34 7010-82 ed. 2, cl. 2.2.2	Electric cables	-
47 ²	Measurement of smoke density of burning cables	ČSN EN 61034-2	Electric cables and wires	-
48 ²	Test for vertical flame propagation	ČSN EN 60332-1-2; ČSN EN 60332-1-3	Electric and optical fibre cables	-
49 ²	Test for vertical flame propagation	ČSN EN 60332-2-2	Electric and optical fibre cables of small cross-section	-
50 ²	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	-
51 ²	Fire resistance test	ČSN EN 50200 ed. 3	Unprotected small diameter electric cables for use in emergency circuits	-
52 ²	Fire resistance test	ČSN EN 50362:2003	Unprotected large diameter electric cables for use in emergency circuits	-
53 ²	Determination of acidity of gases evolved during combustion by pH measurement and conductivity	ČSN EN 60754-2	Electric and optical fibre cables	-
54 ²	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	-



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
55 ²	Test of circuit integrity under fire conditions	ČSN IEC 60331-21; ČSN IEC 60331-23	Electric cables	-
56 ²	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; the numerical index at the test ordinal number identifies the location carrying out the test (the identification of the locations is given on the first page of this document)
- 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 valid edition of the specified procedure is used (including any changes)
- ³ the laboratory does not apply a flexible approach to the scope of accreditation

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "

