

**The Appendix is an integral part of
Certificate of Accreditation No.: 563/2023 of 26/10/2023**

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

OPTOKON, a.s.
CAB number 1755, OPTOKON Testing Laboratory
Červený Kříž 250, 586 01 Jihlava

Testing laboratory locations:

1. **Pelhřimov** Kouřimského 2500, 393 01 Pelhřimov
2. **Jihlava** Červený Kříž 250, 586 01 Jihlava

1. **Pelhřimov**

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object	Degrees of freedom ³
1	Tensile performance test	PPZL 2.1 (ČSN EN 60794-1-21, method E1)	Optical cables	-
2	Abrasion test	PPZL 2.2 (ČSN EN 60794-1-21, method E2A)	Optical cables	-
3	Marking abrasion test	PPZL 2.3 (ČSN EN 60794-1-21, method E2B)	Optical cables	-
4	Crush test	PPZL 2.4 (ČSN EN 60794-1-21, method E3A)	Optical cables	-
5	Impact tests	PPZL 2.5 (ČSN EN 60794-1-21, method E4)	Optical cables	-
6	Repeated bending test	PPZL 2.6 (ČSN EN 60794-1-21, method E6)	Optical cables	-
7	Torsion test	PPZL 2.7 (ČSN EN 60794-1-21, method E7)	Optical cables	-
8	Flexing test	PPZL 2.8 (ČSN EN 60794-1-21, method E8)	Optical cables	-
9	Kink test	PPZL 2.9 (ČSN EN 60794-1-21, method E10)	Optical cables	-
10	Bend test	PPZL 2.10 (ČSN EN 60794-1-21, method E11A)	Optical cables	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object	Degrees of freedom ³
11	Temperature cycling test	PPZL 2.11 (ČSN EN 60794-1-22, method F1)	Optical cables and fibres	-
12	Ageing tests	PPZL 2.12 (ČSN EN 60794-1-22, method F9)	Optical cables and fibres	-
13	Cable external freezing test	PPZL 2.13 (ČSN EN 60794-1-22, method F15)	Optical 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 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

2. Jihlava

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object	Degrees of freedom ³
1	Temperature cycling test	PPZL 2.11 (ČSN EN 60794-1-22, method F1)	Optical cables and fibres	-
2	Ageing tests	PPZL 2.12 (ČSN EN 60794-1-22, method F9)	Optical cables and fibres	-
3	External freezing test	PPZL 2.13 (ČSN EN 60794-1-22, method F15)	Optical cables	-
4	Conducted emissions, radio frequency potential, power leads	MIL-STD-461 met. CE102; ČOS 599902 met. CE102	Electric and electronic devices, automotive systems and subsystems, avionics	-
5	Radiated emissions, electric field	MIL-STD-461 met. RE102; ČOS 599902 met. RE102; ČSN EN IEC 55025 ed.4, cl. 6.4 and 6.5;	Electric and electronic devices, automotive systems and subsystems, avionics	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object	Degrees of freedom ³
		CISPR 25:2021, cl. 6.4 and 6.5		
6	Susceptibility to conducted emissions, power conductors	MIL-STD-461 met. CS101; ČOS 599902 met. CS101	Electric and electronic devices, automotive systems and subsystems, avionics	-
7	Susceptibility to conducted emissions, injection into cable harness	MIL-STD-461 met. CS114; ČOS 599902 met. CS114	Electric and electronic devices, automotive systems and subsystems, avionics	-
8	Susceptibility to conducted emissions, injection into cable harness, pulsed excitation	MIL-STD-461 met. CS115; ČOS 599902 met. CS115	Electric and electronic devices, automotive systems and subsystems, avionics	-
9	Susceptibility to conducted emissions, damped sine wave, cables and power conductors	MIL-STD-461 met. CS116; ČOS 599902 met. CS116	Electric and electronic devices, automotive systems and subsystems, avionics	-
10	Susceptibility to radiated emissions, transient electromagnetic fields	MIL-STD-461 met. RS103; ČOS 599902 met. RS103	Electric and electronic devices, automotive systems and subsystems, avionics	-

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Explanations:

PPZL Laboratory Testing Procedure