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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 18311.1-2026

Replacing GB/T 18311.1-2003

Fibre optic interconnecting devices and passive components-Basic test and measurement procedures-Part 3-1:Examinations and measurements-Visual examination

纤维光学互连器件和无源器件 基本试验和测量程序 第3-1部分：检查和测量 外观检查

(English Translation)

Issued on: October 30, 2026 **Implemented on: May 1, 2027**

Issued by: State Administration for Market Regulation;
Standardization Administration of China

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1 Foreword

GB/T 18311.1-2026 was issued by State Administration for Market Regulation; Standardization Administration of China on 30 October 2026 and takes effect on 1 May 2027.

It replaces the earlier edition GB/T 18311.1-2003.

It is one of 19 parts of the GB/T 18311 series.

2 Scope Preview

GB/T 18311.1-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 76,457 other GB/T standards.

Of the 47,415 GB/T standards that do carry an ICS number, 3,437 (7%) fall under ICS 77, in the field of metallurgy.

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of China

4 Related standards

Other parts of this standard:

GB/T 18311.2-2001 - Fibre optic interconnecting devices and passive component -- Basic test and measurement procedures -- Part 3-2: Examinations and measurements -- Polarization dependence of a single-mode fibre optic device

GB/T 18311.2-2026 - Fibre optic interconnecting devices and passive components-Basic

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test and measurement procedures-Part 3-2: Examination and measurements-Polarization dependent loss in a single-mode fibre optic device

GB/T 18311.3-2001 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-3: Examinations and measurements -- Monitoring change in attenuation and in return loss (multiple paths)

GB/T 18311.4-2003 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-4: Examinations and measurements -- Attenuation

GB/T 18311.5-2003 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-5: Examinations and measurements -- Wavelength dependence of attenuation

GB/T 18311.6-2001 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-6: Examinations and measurements -- Return loss

GB/T 18311.16-2007 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-16: Examinations and measurements -- End face radius of spherically polished ferrules

GB/T 18311.20-2007 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-20: Examinations and measurements -- Directivity of fibre optic branching devices

GB/T 18311.25-2026 - Fibre optic interconnecting devices and passive components-Basic test and measurement procedures-Part 3-25: Examinations and measurements-Concentricity of non-angled ferrules and non-angled ferrules with fibre installed

GB/T 18311.26-2007 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-26: Examinations and measurements -- Measurement of the angular misalignment between fibre and ferrule axes

GB/T 18311.28-2007 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-28: Examinations and measurements -- Transient loss

GB/T 18311.28-2026 - Fiber optic interconnecting devices and passive components-Basic test and measurement procedures-Part 3-28:Examinations and measurements-Transient loss

GB/T 18311.30-2007 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-30: Examinations and measurements -- Polish angle and fibre position on single ferrule multi-fibre connectors

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GB/T 18311.31-2007 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-31: Examinations and measurements - Coupled power ratio measurement for fibre optic sources

GB/T 18311.34-2003 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-34: Examinations and measurements -- Attenuation of random mated connectors

GB/T 18311.40-2003 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-40: Examinations and measurements -- Extinction ratio of a polarization maintaining (pm) fibre pigtailed connector

GB/T 18311.47-2026 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-47: Examinations and measurements - End face geometry of PC/APC spherically polished ferrules using interferometry

GB/T 18311.55-2026 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-55: Examinations and measurements - Polarisation extinction ratio and keying accuracy of polarisation maintaining, passive, optical components

Other editions:

GB/T 18311.1-2003 (earlier edition)

5 Classification and status

Prefix GB/T: recommended standard.

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