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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 7424.410-2026

Optical fibre cables-Part 4-10:Aerial optical cables along electrical power lines-Family specification for optical ground wires

光缆 第4-10部分：沿电力线路架设的光缆 光纤复合架空地线门类规范

(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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https://chinastandards.org/standards/gb-t-7424-410-2026

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1 Foreword

GB/T 7424.410-2026 was issued by State Administration for Market Regulation; Standardization Administration of China on 30 October 2026 and takes effect on 1 May 2027.

It is one of 20 parts of the GB/T 7424 series.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

GB/T 7424.410-2026 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 7424.1-1998 - Optical fibre cables. Part 1: Generic specification

GB/T 7424.1-2003 - Generic specification for optical fibre cables -- Part 1: General

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GB/T 7424.2-2002 - The cable general specification - Part 2: Basic optical test methods

GB/T 7424.2-2008 - Optical fibre cable generic specification -- Part 2: Basic optical cable test procedures

GB/T 7424.3-2003 - Optical fibre cables - Part 3: Section specification - Outdoor cables

GB/T 7424.3-2025 - Optical fibre cables - Part 3: Sectional specification - Outdoor cables

GB/T 7424.4-2003 - Optical fibre cables -- Part 4: Section specification -- Optical fibre composite overhead ground wire

GB/T 7424.4-2026 - Optical fibre cables - Part 4: Sectional specification - Aerial optical cables along electrical power lines

GB/T 7424.5-2012 - Optical fibre cables -- Part 5: Sectional specification -- Micro duct optical fibre cables and fibre units for installation by blowing

GB/T 7424.20-2021 - Optical fibre cable generic specification - Part 20: Basic optical cable test procedures - General and definitions

GB/T 7424.21-2021 - Optical fibre cable generic specification - Part 21: Basic optical cable test procedures - Mechanical test methods

GB/T 7424.22-2021 - Optical fibre cable generic specification - Part 22: Basic optical cable test procedures - Environmental test methods

GB/T 7424.23-2021 - Optical fibre cable generic specification - Part 23: Basic optical cable test procedures - Cable element test methods

GB/T 7424.24-2020 - Optical fibre cable generic specification - Part 24: Basic optical cable test procedures. Electrical test methods

GB/T 7424.370-2025 - Optical fibre cables - Part 3-70: Outdoor cables - Family specification for optical fibre cables for rapid/multiple deployment

GB/T 7424.430-2026 - Optical fibre cables - Part 4-30: Aerial optical cables along electrical power lines - Family specification for optical fibre composite phase conductors (OPPC)

GB/T 7424.2219-2026 - Optical fibre cables - Part 2-219: Generic specification - Basic optical cable test procedures - Environment test methods - Method F19 - Material compatibility test

GB/T 7424.20023-2026 - Optical fibre cables - Part 200-23: Indoor optical fibre cables - Detail specification for multi-fibre optical cables used in MPO connector cable assemblies

GB/T 7424.20024-2026 - Optical fibre cables-Part 200-24:Indoor cables-Detail specification for multiple multi-fibre unit cables for use in MPO connector terminated breakout cable assemblies

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5 Classification and status

Prefix GB/T: recommended standard.

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