

Specifications and dimensions of steel wire rope for communication optical cables



Overview

Constructions: 6x19 S, 6x19 W, 6x25 F, 6x26 WS, according to grade and diameter. For other diameters or grades not specified in this catalogue, please contact IPH. Numerous service centres and subsidiaries worldwide are responsible for sales and distribution. Whether you're looking for strength, flexibility, or corrosion resistance, we have you covered! All of our wire rope is offered in both Galvanized Steel and Stainless. Within this Technical Guidance section you'll find the basic properties of a steel wire rope. [VIEW OUR STEEL WIRE ROPE](#) What is a Steel Wire Rope?

A steel wire rope is made up of individual steel wires spun into a strand. Test data for effects of Swivels on wire rope provided by Casar. Included in this specification are wire ropes in various grades and constructions from 1/4 in [6 mm] to 23/8 in. [60 mm] manufactured from uncoated or metallic coated wire.



Article Content

Mar 18, 2026

Stranded Carbon Steel Wire Ropes for General Purposes1

Standard Specification for Stranded Carbon Steel Wire Ropes for General Purposes1
This standard is issued under the fixed designation A1023/A1023M; the number immediately following the designation

Feb 02, 2026

Optical ground wire

An optical ground wire (also known as an OPGW or, in the IEEE standard, an optical fiber composite overhead ground wire) is a type of cable that is used in overhead power lines. Such cable combines

Nov 15, 2025

Steel wire rope

The Korean company is divided in two parts: DSR Wire Corp for steel wire ropes, and DSR Corp for fibre ropes. DSR's extensive range covers industries and applications such as crane, fishing, mooring,

Jun 20, 2026

Stainless Steel Wire Rope Technique Specifications

Stainless Steel Ropes Stainless steel wire rope is widely used in many fields due to various of materials. Here mainly show the wire rope new specifications.

Nov 24, 2025

A1023/A1023M Standard Specification for Carbon Steel Wire Ropes

Abstract This specification covers stranded steel wire ropes of various grades and constructions manufactured from uncoated or metallic coated wire and cord products manufactured

Jun 25, 2026

GALVANISED WIRE ROPE CATALOGUE 2024

Galvanised Wire Rope Range Our galvanised wire rope range is available in the following configurations: 7x7, 1x19, 7x19, 6x19FC and 6x25. ethane and nylon coated gym cables. Please

Jun 15, 2026

Wire ropes - Technical information

Wire ropes - Technical information Moving means to set things in motion, to unfold dynamics, to create things. For us in the Pfeifer group, to move is very specific: it means that with our products from Wire

Feb 21, 2026

Steel Wire Rope Properties

The basic properties of steel wire rope - the wire, different strand lays, cores, breaking load, production processes, correct diameter measurement & more.

Nov 12, 2025

E-HB-04-01-03 Symbols

Dimension of Shaped Wire $Z = h \text{ \& } w$ (3.7.3) Dimension of Shaped Strand = $w \text{ \& } s$ (3.7.5) Dimension of Flat Rope $P \text{ } w \text{ \& } s$ (3.7.7) Dimension of Covered Round Rope d (e.g. 16/13) (3.7.8) Dimension of

Dec 11, 2025

Steel Wire Armoured CT

Prysmian Group Direct buried cables Draka Steel Wire Armoured Central Tube Optical Cable Cable Design Fibre Identification: Every fibre in a tube is uniquely identified by a different colour. Armour:

Nov 06, 2025

Steel Wire Rope Specifications Guide | PDF

The document provides specifications for various types and sizes of steel wire rope, including nominal diameter, approximate mass, and minimum breaking force.

Aug 13, 2025

Wire Rope: Types, Specs, and Selection Guide

What if a single component could transform the safety and efficiency of heavy lifting operations? Wire ropes, often overlooked, are essential in

Nov 26, 2025

Galvanized Steel Wire Rope Specifications

Galvanized steel wire rope is widely used in many fields. We can provide different types and specifications. Some types and sizes of wire rope including diameter,

May 30, 2026

Steel Wire Ropes for

IPH's vertically integrated production process planning involves all steel wire rope's components, from its own manufacture of wires, fiber and steel cores for its ropes to wooden or steel reels and packaging

Jan 04, 2026

Steel Wire Ropes for

Characteristics and measurements units on these ropes respond to standard IRAM 722, heavy galvanized. These ropes can also be supplied under other international standards such as ASTM

Aug 15, 2025

Wire Rope & Steel Cable Sizes | Diameter Reference Guide

Explore standard wire rope and steel cable sizes with our easy-to-use diameter chart. Compare specifications to find the right fit for your application.

Oct 17, 2025

ARMOURED OPTICAL FIBRE CABLE

2.7 The Armoured optical fibre cable supplied shall be suitable and compatible to match with the dimensions, fixing, terminating & splicing arrangement of the splice closure.

May 12, 2026

ASME B30.30 (Ropes)

If the pitch diameter is not specified, the minimum sheave and drum pitch diameter for any rope shall be specified by the LHE manufacturer or a qualified person.

Jan 05, 2026

Standard Specification for Stranded Carbon Steel Wire Ropes for

Stranded Carbon Steel Wire Ropes for General Purposes¹ This standard is issued under the fixed designation A1023/A1023M; the number immediately following the designation indicates the year of

Mar 07, 2026

Galvanized Steel Wire Rope Specifications

Galvanized wire rope with 6×7+1 fiber core, diameter 2-13mm. Galvanized steel wire rope with construction 7 × 7 with T/S 1770 N/mm², Right hand regular lay, 0.8

Apr 19, 2026

Wire Rope: A Complete Guide | Lexco® Cable

Wire rope is a complex mechanical system consisting of multiple steel wires twisted into strands that wrap around a central core. This guide explores the fundamental types, materials, and constructions

Feb 25, 2026

Wire Ropes

Wire Ropes - Strengths 6 strand x 19 wire (6x19) - minimum breaking strength, safe loads and weight. Minimum breaking strength and safe load for Bright wire,

Jun 22, 2026

Stranded Carbon Steel Wire Ropes for General Purposes1

1. Scope* 1.1 This specification covers the general requirements for the more common types of stranded steel wire ropes. Included in this specification are wire ropes in various grades and constructions

Mar 07, 2026

Wire ropes - Technical information

When Wilhelm Albert, an official of the German Board of Mines, manufactured a steel wire rope in 1834, it was admittedly not the first wire rope in the world, but the tools he used and the level of wire

Sep 29, 2025

TECHNICAL DOCUMENTATION

A steel wire rope is a complex machine part and consists of a great number of wires and strands of different dimensions. It is subjected to a wide spectrum of mechanical stresses.

Jan 20, 2026

Wire Rope Types & Specifications

Wire Rope Types & Specifications We stock all types of wire rope for every application from a truck winch or a pipe choker to a tugboat towing wire or Crane

Jul 04, 2025

Standard Specification for Stainless Steel Rope Wire

This specification covers the standard for the more commonly used types of round stainless steel wire intended especially for stranding into wire rope. Chemical analysis shall be

Contact Us

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