

Flange of optical cable reel



Article Overview

The flange connector in an optical cable reel serves as a secure, non-rotating interface for connecting fiber optic cables, ensuring smooth deployment and protecting the cable from damage.

Function of the Flange Connector

In fiber optic cable reels, the flange connector is typically mounted on the side flange of the reel and provides a non-rotating connection point for the optical cable. This allows the cable to be connected to external equipment or vehicles while the drum rotates freely during payout, maintaining uninterrupted optical signal transmission and preventing cable twisting or damage during deployment .

Reel Structure and Flange Role

A standard fiber optic reel consists of two flanges, a central drum, and flange bolts. The flanges keep the cable aligned and protect it from mechanical stress during transport and storage . The flange connector is integrated into this structure, often alongside protective covers or exit ports, to guide the cable smoothly out of the reel while maintaining the minimum bend radius required for fiber optics .

Installation and Usage

To use the flange connector:

- Connect the cable to the non-rotating connector on the flange as required for deployment

Article Content

May 19, 2026

Fiber Optic Cable Reels

Fiber Optic Cable Reels RFO-100-5 The most compact RFO series reel we offer. Rated capacity of 100m at 7mm cable OD. [View](#)

Nov 10, 2025

CTEC Fibre Optics

Cable Storage Drums and Cable Reels General Information CTEC can supply closed frame, triple flange Cable Storage Drums.

Jan 21, 2026

Fibre optic cable reels

Fibre optic cable reels with different barrel diameters and winding widths. The barrel is coated with PE

Feb 24, 2026

RFO-3-2000

About The RFO-3-2000 cable reel holds 1300 meters of 9mm overall diameter cable. The full steel construction offers strength and

Feb 27, 2026

Pre Terminated Fiber Optic Cable Reel For Sale

It prevents kinks exceeding the 30mm minimum bend radius. You can easily manage single-mode fibers. It organizes cables,

Jun 12, 2026

VANDOR CORPORATION Reel Opti

Unique products: Single use reels primarily for wire and cable manufacturers
Recyclable all-plastic utility spools that are both strong

Jun 20, 2026

Cable Storage and handling

- All Optical fibre reels including part used should be stored upright. Laying the reel on its side may cause damage to the reel flange

Jul 27, 2026

Plastic Flanged Spools / Reels

Plastic Flanged Spools / Reels MSi has reels or spools designed for fiber optic & copper cable They are sturdy and the core tubes

May 27, 2026

Fibre Optic Cable Drums

Fibre Optic Cable Drums CD Range of Cable Storage and Deployment Reels Designed for cable storage and deployment these units

Apr 28, 2026

99_Active_Design Template_Optical Cable Drums Handling,

General This document provides the guidelines for handling, Transportation and storage of Optical fiber cable drums. These

Apr 01, 2026

MODULAR ADVANCED REEL SYSTEM (MARS

Introducing Optical Cable Corporation's MARSTM Cartridge System, another accessory member of Modular Advanced Reel System

Jun 08, 2026

Reel In A Box, Single-Fiber, Tight-Buffered Cable, Plenum

Reel in a Box is Corning's innovative packaging solution for small reels of fiber optic cable in all inside plant applications, such as

Feb 15, 2026

Reel Dimensions and Anatomy Guide | PDF | Manufactured Goods

The document provides information about reels used to transport wire and cable. It defines standard reel dimensions according to

Sep 22, 2025

Reel Dimensions and Anatomy Guide | PDF | Manufactured Goods

A diagram shows the key parts of a reel including the flange, inside traverse, drum diameter, and overall width. A table then lists

Aug 03, 2025

OCC AFO-0100-x-X-x AFO Military Modular Advanced Reel System

The OCC MARS reel can be used with simple deployable axials ("broom sticks") or with integrated A-Frames, cable acquisition

May 25, 2026

Procedure for Cutting and Respooling Fiber Optic Cable

Check the inside of the reel flanges for objects that could damage the cable as it pays off. Changes in temperature and humidity can

Nov 13, 2025

Technical Information Instrumentation, Power & Control

When a reel of cable is rolled from one point to another, care must be taken to see that there are no objects on the surface area

Apr 30, 2026

Fiber Optic Cable Reels for Mobile and Rugged

Foss provides durable fiber optic cable reels for mobile, tactical, and industrial applications. Designed for

Jan 05, 2026

CableTransportationAndHandling Issue2 Aug 2023

The reel's structural components consist of two flanges, central drum, flange bolts, SmartReel™ test connector and

Mar 03, 2026

TECHNICAL NEWS

Reels should only be rolled in a direction to tighten the cable wind. Surfaces on which reels are to be rolled should be flat, clear of

Jan 18, 2026

MARS® Advanced Lightweight Reel Stand

OCC's MARS ALRS series of Lightweight Reel Stands represent a significant advancement in cable deployment and retrieval

Contact Us

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