

Fiber Optic Cable Metal Reel Datasheet

1. General and Product Identification

- **Product Type:** Metal Reel (Cable Drum)
- **Manufacturer:** Telindu Malaysia Co. at the request of Dadeh Pardazan Vira Ertebat Iran Co.
- **Date of Manufacture:** Spring 2025
- **Place of Manufacture:** Malaysia - Kuala Lumpur
- **Part Number:** TD-4CASM500M/1000M

2. Structural and Material Specifications

- **Materials Used in Construction:** Steel iron plate, iron square tube
- **Welding Type:** Argon-welding and laser welding
- **Surface Finish/Coating:**
 - The surface is sprayed with military green powder.
 - The outer surface of the brake is nickel-plated.
- **Specific Design/Construction Features:**
 - The brake drum is fixed to the reel by screws.
 - The brake pad is fixed to the frame by screws.



- The entire winding reel can be freely disassembled.
- The wire management rack consists of two upper and lower rollers, and the spacing between the rollers can be freely adjusted.
- The characteristic is that the reel can reduce friction and wire knotting.

3. Technical Specifications - 1000m Reel (Part Number: TD-4CASM1000M)

Technical Specification	Value	Unit	Description
Physical Dimensions			
Overall Flange Diameter (OD)	460	mm	Overall outer diameter of the reel
Barrel/Core Diameter (ID)	200	mm	Inner diameter of the part where the cable is wound
Overall Width	305	mm	Distance between the two flange edges
Barrel Width	295	mm	Usable space for winding cable
Arbor Hole Diameter	20	mm	Diameter of the central shaft hole
Capacity and Weight			
Empty Reel Weight	17.2	kg	Weight of the reel without cable
Maximum Cable Weight Capacity	70	kg	Maximum cable weight the reel can safely hold
Estimated Max Cable Length Capacity	1300	m	Maximum cable length that can be wound (for a specific cable diameter)

4. Technical Specifications - 500m Reel (Part Number: TD-4CASM500M)

Technical Specification	Value	Unit	Description
Physical Dimensions			
Overall Flange Diameter (OD)	460	mm	Overall outer diameter of the reel
Barrel/Core Diameter (ID)	200	mm	Inner diameter of the part where the cable is wound
Overall Width	235	mm	Distance between the two flange edges
Barrel Width	225	mm	Usable space for winding cable
Arbor Hole Diameter	20	mm	Diameter of the central shaft hole
Capacity and Weight			
Empty Reel Weight	14.5	kg	Weight of the reel without cable
Maximum Cable Weight Capacity	50	kg	Maximum cable weight the reel can safely hold
Estimated Max Cable Length Capacity	700	m	Maximum cable length that can be wound (for a specific cable diameter)



Unique Features of Our Fiber Optic Reel – The Professional's Choice!

1. **Ergonomic Rotating Handle for Smooth, Effortless Operation**

Designed with an ergonomic handle that ensures smooth rotation, making cable winding fast and fatigue-free.

2. **Large, Non-Slip Carry Handle for Easy Transport**

A generously sized, non-slip handle provides a secure and comfortable grip for all hand sizes, simplifying transport.

3. **High-Quality Welding and Durable Weather-Resistant Coating**

Precision welding and a robust, uniform coating guarantee outstanding durability against impacts, moisture, and harsh environmental conditions.

4. **Special Center Screw Adapter for Drill Attachment**

Equipped with a dedicated adapter for direct drill connection, enabling quick and effortless cable winding.

5. **Large Wheels for Smooth Movement Over Rough Surfaces**

Oversized wheels allow easy maneuvering across uneven terrain with minimal effort and maximum comfort.

6. **Perfectly Aligned Carry Handle with Reel Axis**

The carry handle is precisely aligned with the reel axis, offering better control and easier handling.

7. **Smart Cable Organizer to Prevent Tangles and Kinks**

An integrated cable organizer ensures tidy, tangle-free winding and unwinding, simplifying cable maintenance and use.





Order Information		
NO.	PART NUMBER	DESCRIPTION
1	TD-4CASM1000M	1000-meter 4-core aluminum single-mode tactical fiber optic cable
2	TD-4CASM500M	500-meter 4-core aluminum single-mode tactical fiber optic cable
3	TD-4CASM250M	250-meter 4-core aluminum single-mode tactical fiber optic cable
4	TD-4CASMP10M	10-meter tactical patch cord, one side tactical and the other side SC.
5	TD-4CASMP5M	5-meter tactical patch cord, one side tactical and the other side SC.
6	TD-4CASMP1M	1-meter tactical patch cord, one side tactical and the other side SC.

