



Sidewinder™ Cable Reel

## Sidewinder™ Rapid Cable Deployment System

AFL's Sidewinder Rapid Cable Deployment System allows for fast deployment and retrieval of tactical fibre optic cables used in field deployment applications. The system is made using lightweight high impact polymer that is non-corrosive and able to withstand extreme temperatures.

Additionally, the reel features built-in connector storage in the centre hub as well as a folding handle for fast sidewinding action. The unique design of the reel allows them to be stacked and locked together for transport or for field deployment. The specially engineered foam insert within the hub allows safe storage of the connectors when not in use.

The reel is available in 4 sizes, to store cables up to 1000mts in length (when using 5.5 mm cable). They can also be supplied with reel stands, connector cleaning kits and military approved transit cases.



Sidewinder™ Cable Reel Mounted on Stand

### Features

#### Reels

- The reel is made from lightweight high impact materials. All assembly parts are made from 316/304 grade stainless steel. This makes them well suited for use in mining and marine environments.
- The reels can be easily stacked together for storage and transportation. They also have 4 points of contact when secured to another reel. Once fastened together, they can be secured using the two locking latches.
- The connector at the inner end of the cable can be stored within the hub. The outer flange can store up to 5 metres of cable slack for maximum access once deployed. The outer connector of the cable assembly is stored in the adjacent opening.
- The centre hub is internally lined with a foam insert and connector retention grommets for ultimate connector storage and protection.
- The reel is supplied with a 1" round hole to suit the deployment stand. A 1" square hole option is also available for applications requiring simultaneous cable deployments.
- An optional cleaning kit is available to maintain the performance of the connectors. This kit is housed within the center hub.
- The folding handle allows for quick retrieval of the cable after deployment.

#### Stand - 500mt

- The sturdy folding stand is made from durable 304 grade stainless steel and well suited in any environment
- Accommodates both the 300mt and 500mt reels. A collar is used to keep the reel in a single position during cable deployment
- Removable pin to allow for quick assembly of the two pieces
- Can also be used as a caddy to pull the reel along the ground. This reduces the need for heavy lifting and simplifies transport of cable systems
- Able to be set up within the transit case to allow for easy cable deployment

#### Stand - 1000mt

- Heavy duty folding stand incorporates a trolley for transporting and rapid cable deployment
- Accommodates both the 800mt and 1000mt reels
- Plastic coated bearings for quiet operation during deployment
- Heavy duty pneumatic tyres to allow easy movement over difficult terrains
- Mounting points for permanent fixing. Eg on the back of a vehicle

### Applications

- Mobile telecommunication systems
- Military tactical communication systems
- Field deployable broadcast communications
- Mining
- Oil and gas



Sidewinder™ Reel Stand with Deployment Trolley

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### Technical Specifications

REEL CHARACTERISTIC	PART NUMBER			
	AFLA-REEL-300-XXX	AFLA-REEL-500-XXX	AFLA-REEL-800-XXX	AFLA-REEL-1000-XXX
Cable Capacity (using 5.5 mm Cable)	300 mts	500 mts	800 mts	1000 mts
Reel Flange Diameter	420 mm	420 mm	420 mm	420 mm
Hub Diameter	170 mm	170 mm	170 mm	170 mm
Reel Width	208 mm	273 mm	387 mm	475 mm
Reel Weight	2.83 kg	3.08 kg	3.60 kg	4.20 kg
Maximum Connector Diameter	53 mm	53 mm	53 mm	53 mm
<b>CASE CHARACTERISTIC</b>				
Case Dimensions	550 mm W x 550 mm L x 550 mm H			
Weight	Deployment Case 16.1 kg, Transit Case 15 kg			
IP Rating	Weather proof with pressure release valve			
Colours Available	Black is standard. Desert Tan and Olive Drab are also available			

### Ordering Information

PART NUMBER	DESCRIPTION
<b>REEL</b>	
AFLA-REEL-300-BKR	Cable deployment reel. 300 mts, Black with round hole
AFLA-REEL-300-DTR	Cable deployment reel. 300 mts, Desert Tan with round hole
AFLA-REEL-300-ODR	Cable deployment reel. 300 mts, Olive Drab with round hole
AFLA-REEL-500-BKR	Cable deployment reel. 500 mts, Black with round hole
AFLA-REEL-500-DTR	Cable deployment reel. 500 mts, Desert Tan with round hole
AFLA-REEL-500-ODR	Cable deployment reel. 500 mts, Olive Drab with round hole
AFLA-REEL-800-BKR	Cable deployment reel. 800 mts, Black with round hole
AFLA-REEL-800-DTR	Cable deployment reel. 800 mts, Desert Tan with round hole
AFLA-REEL-800-ODR	Cable deployment reel. 800 mts, Olive Drab with round hole
AFLA-REEL-1000-BKR	Cable deployment reel. 1000 mts, Black with round hole
AFLA-REEL-1000-DTR	Cable deployment reel. 1000 mts, Desert Tan with round hole
AFLA-REEL-1000-ODR	Cable deployment reel. 1000 mts, Olive Drab with round hole
<b>OPTIONAL ACCESSORIES</b>	
AFL-REELSTAND-500-SS	Folding stand for 300/500 mts cable deployment reel, Stainless Steel
AFL-REELSTAND-1000	Reel stand with deployment trolley - 1000 mts reel
AFL-REEL-500-CASE-DT	Deployment case, 300/500 mts reels and stand, Desert Tan
AFL-REEL-500-CASE-BK	Deployment case, 300/500 mts reels and stand, Black
AFL-REEL-500-CASE-OD	Deployment case, 300/500 mts reels and stand, Olive Drab
AFL-REEL-TRANSCASE-DT	Transit case for all Sidewinder reels, Desert Tan
AFL-REEL-TRANSCASE-BK	Transit case for all Sidewinder reels, Black
AFL-REEL-TRANSCASE-OD	Transit case for all Sidewinder reels, Olive Drab
AFL-REELSTAND-COL-25MM	Replacement collar for AFL cable stand



Deployment Case, 300/500 mts Reel and Stand, Desert Tan



Transit Case, Black

### Cable Calculator

The table below can be used to calculate the correct reel to suit a particular cable diameter and required length. "D" is the cable diameter in mm. Capacity is in metres.

CABLE REEL	CAPACITY
300 mts Reel	Max capacity = 9000/D <sup>2</sup>
500 mts Reel	Max capacity = 15000/D <sup>2</sup>
800 mts Reel	Max capacity = 24000/D <sup>2</sup>
1000 mts Reel	Max capacity = 30000/D <sup>2</sup>



300/500 mts Folding Reel Deployment Stand