

Cables Plus USA INTRODUCES

Modular Advanced Reel System MARS

THE MOST ADVANCED REEL SYSTEM OFFERED TODAY!

Cables Plus USA is pleased to introduce the first deployable reel system to meet the unique demands of deployable fiber optic cable. The Cables Plus USA Modular Fiber Optic Reel System incorporates many features unique to tactical fiber optic cable, not afforded by metal style reels. MARS incorporates an entirely new philosophy of maximum modularity, designed throughout all accessories. The Cables Plus USA reel can be used in a comprehensive selection of A-Frame, cradle, case, tri-pod, bumper mount, or even a backpack. Additionally, MARS includes an optional fiber optic cleaning kit system; flip out rewind handle, 30ft built in divider, connector cradle design, stackable features. All these features with a lower weight, than common reel systems make MARS the most advanced fiber optic reeling system available in today market!

Applications

- **Mobile Emergency Telecommunications Stations**
- **Mobile Tactical Shelters**
- **United States Army, Navy, and Marine Corp military tactical deployments**
- **Broadcast**
- **Emergency Restoration and Deployable Communications**



Features	Benefits
Fabricated with High Impact Glass Reinforced Polymer material	Provides durability and strength while affording light weight benefits
	Eliminates rust resulting from field operation
Integrated Cable payout and storage area	Enables operators to payout small lengths of fiber cable without having to un spool the entire payload
Inter-Locking Stacking System	Enables reels to be stacked and inter-locked during transit
Integrated Connector Storage and Cleaning Kit Compartments	Affords multi-channel cylindrical connectors to be stored, locked in place for transit
	Affords operators with the built-in fiber optic connector cleaning kit, to maintain connectors during deployable situations
Light weight Retractable crank and Handle system	Allows operators to easily rotate reel in payout or take-up situation and store handle during transit
Tested in accordance with Military specifications for Cable Reels, MIL-R-3241E (Pending)	AOS Fiber Optic Reel Designed meet or exceed all requirements of MIL-R-3241E
Selection of Integrated Accessories	AOS Fiber Optic Reels feature options for integrated transit case, deployable "T" frames, back packs and more

The MARS unique modular design affords the ability to provision the accessory which works the best for your needs. This novel approach not only provides cost savings but also reduces size and provides an ala carte approach to ordering.

MARS Reel Options

AFO-0100 	AFO-0500 	AFO-1000 
TRI-POD (AFO-0300) 	INTEGRATED FIBER OPTIC CLEANING KIT 	BUMPER MOUNT AXIAL 
CASE WITH DEPLOYMENT CRADLE 	CASE WITH DEPLOYMENT CRADLE (LID ATTACHED) 	DEPLOYMENT CRADLE 
TRANSIT CASE (DUAL AFO-0100) 	TRANSIT CASE (AFO-0300) 	TRANSIT CASE (AFO-0500) 
T² FRAME 	BACK PACK 	BACKPACK (INTEGRATED SLIP RING) 

Cables Plus USA Deployable Fiber Optic Reel meets the challenge of today's harsh environment by offering an integrated solution to clean and maintain multi-channel cylindrical fiber optic connectors in the field. Cables Plus USA reels can be provisioned with a variety cleaning kits that correspond to popular connector styles including MIL-DTL-83526, MIL-PRF-28876, MIL-DTL-38999, NAVSEA Pierside, MIL-C-83526 (TFOCA), F-LINK™ and TFOCA-II®. Kits are available for 4,6,8,12,18 and 24 channel style connectors.

Reel Ordering Information

Reel Part Numbering		AFO	-0100	-T	-M	-1
Configuration Type						Axle Type
ACR	Reel type Commercial (Black only)					1 - Round Axle
AFO	Reel type Military (Desert Tan\Carc Green only)					2 - Square Axle
Reel size/Capacity (@ 5.5mm diameter Cable)						Cleaning Kit*
0100	100 meter					M - Cots 83526 connectors
0300	300 meter					N - M28876 ferrule connectors
0500	500 meter					P - NAVSEA Pierside ferrule connectors
0750	750 meter					H - Hermaphroditic SMPTE ferrule connectors
1000	1000 meter					F - F-Link Style Connectors
1500	1500 meter					A - Amphenol TFOCA2
Reel Color						T - TFOCA Style
T - Desert Tan						E - Expanded Beam
G - Carc Green						Q - 2.5 mm ferrule connectors
B - Black						S - 1.6-2.0 mm ferrule connectors
** Custom colors available						U - 1.25 mm ferrule connectors
						X - None

* Contact Cables Plus USA for assistance in determining correct configuration.

Accessory Options

Accessory Part Number		ART	-0100	-0	-A	-B
Configuration Type						Color (Tripod\Case\T-frame)
ARN	Cradle system (300 meters and larger)					0 - N/A
ART	Tripod\Deployable spindle (100,300, 500 meters only)					T - Desert Tan
ATB	Tripod w\Brake (100,300, 500 meters)					B - Black
ARB	Backpack (100, 300 500 meter reels)					G - Carc Green
ARS	Case Reel storage, (500, 1000 meters only)					Restoration Kit
ARK	Case w/ deployment cradle(500, 1000 meter reel)					A - None N/A
ARA	T ² -Frame (750 meter and larger size only)					B - 2 Ch TFOCA2
ABF	T ² -Frame w\brake (750 meter and larger reels)					C - 4 Ch TFOCA2
**	Custom accessories available contact AOS or your Distributor for information					D - 12 Ch TFOCA2
Reel size/Capacity (@ 5.5mm diameter Cable)						E - 4 Ch EZ-mate
0100	100 meter					F - 6 CH EZ-mate
0300	300 meter					G - 12 Ch EZ-mate
0500	500 meter					H - 24 channel EZ-mate
0750	750 meter					I - 12 Ch NAVSEA Pierside
1000	1000 meter					J - 2 Ch TFOCA
1500	1500 meter					Castor options
						0 No Castors N/A
						C Castors
						(Available on T ² -Frame, Cradle, and Case)

Dimensions and Capacity - Approximate

PART NUMBER	Flange Diameter	HUB DIAMETER	WIDTH	WEIGHT	CAPACITY 6mm OD Cable	CAPACITY * 7.2mm OD Cable
***-0100-X-Y	17"	10"	5"	9.5 LBS	100M	75M
***-0300-X-Y	17"	8"	7.75"	11 LBS	300M	200M
***-0500-X-Y	17"	8"	10.75"	11.5 LBS	500M	350M
***-0750-X-Y	17"	8"	14.75"	12 LBS	750M	500M
***-1000-X-Y	17"	8"	18.75"	13 LBS	1000M	700M
***-1500-X-Y	17"	8"	26.75"	14 LBS	1500M	1000M