

Backpack with Reel

The ergonomic system for deployment of short to medium cable lengths

Applications:

- Cable assembly – ready for operation
- Laying cable in various landscapes by a team of two soldiers
- Increased cable length carried by an individual soldier
- Used as caddy over pavement with bigger trolley-wheels
- Use of full or partial cable length
- Outdoors

Description:

- Backpack frame in aluminum, anodized green color, equipped with handbrakes, excluding reel, including
 - Accessory bag with crank for rewinding
- Reel with the following features:
 - Extensible axle for easy storage
 - Separate connector compartment
 - Protective sheath covering the cable and two Velcro belts protecting the cable ends with its connectors
 - Reel delivered made ready to use with cable and connectors
- Number of backpack frames compared to the number of reels is depending on the application

Material:

- Backpack frame in aluminum, anodized green colored
- Accessories bag in canvas
- Reels in aluminum, colored green, with rubber edges

Color:

- Green, similar to RAL 6031

Accessories offered:

- Preassembling with military lens- or butt joint connectors
- Adapting cables, e.g. from bulkhead to LC, ST or any standard connectors
- Vehicle reels and winding frames or hand reels
- Deployment aids, like wedge clamps, masts etc.
- Training for deployment, repair and cable testing in the field
- Solution engineering and system design
- Tactical Cable Measuring Case to localize exactly the defective spot
- Tactical Cable Repair Kit for fusion splice in the workshop or the Field Repair Kit for mechanical splice technique



Backpack frame



Reel with extensible axle

Dimensions Backpack Frame without Reel:

	Width mm	Height mm	Depth mm	Weight kg
Backpack	430	885	340	7.0

Dimensions Reel:

Type	External Ø mm	Core Ø mm	Width of Main Winch mm	Width of Flange mm	Weight kg
Nato-380	380	160	250 or 230	40 or 60	4.1

Other reel sizes on request

Maximum Cable Length for the different Brugg Fiber-optic Cables and the respective Weight including Reel:

Type	BRUmil 1F		BRUmil 2-4 F		BRUmil 8F		BRUpowermil		BRUtough	
	Length m*	Weight kg	Length m*	Weight kg	Length m*	Weight kg	Length m*	Weight kg	Length m*	Weight kg
Nato-380	1300	28	1000	31	750	34	450	36	500	17

* Length given for manual loose rewinding. Machine winded the capacity is approximately 25% higher.