

Backpack with Reel

The ergonomic system for deployment of short to medium cable lengths

Application

- 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

- 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 Frame without Reel

Type	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

Cable Assemblies

Maximum Cable Length for the different Brugg Fiber-optic Cables and the respective Weight complete

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

¹ Length given for manual loose rewinding. Machine winded the capacity is approximately 25% higher.

Other reel sizes on request