

# BRUmil

3\_7\_2

**Flexible Mini FO cable, for harsh environments, with stainless steel loose tube for maximum 12 fibers and stainless steel armoring. Approved by NATO and armed forces.**

### Application

- Tactical military or civil applications: temporary robust communication lines and mobile applications with rodent danger
- Rapid deployment in harsh surroundings
- Outdoor and indoor

### Description

- Central stainless steel loose tube with up to 8 fibers, single – or multimode
- High crush resistance
- High permissible tensile strength
- Longitudinally watertight
- Excellent rodent proof
- Compact structure, high flexibility
- Very low weight
- Robust sheath halogen-free
- To brace with wedge clamps

### Construction

- Outer PA sheath with extra abrasion resistance
- Armoring and strain relief made of stainless steel wire
- Gel-filled stainless steel loose tube
- Fibers with primary coating
- Labeling on request, individual labeling per reel with code, length and exact meter mark

### Temperature range

Operating temperature -55° ... +85°C  
 Storage temperature -60° ... +85°C  
 The minimum operating temperature for types with only one fiber is -40°C

### Jacket color

Black similar to RAL 9005

### Standards

IEC 60794  
 MIL-STD-810F  
 VG 95218-30 Type L

### Remarks

Accessories offered:

- Pre-assembling with military lens- or ferule- connectors, delivered on various reels
- Adapting cables to standard connectors
- Hand-reels, backpack- or vehicle reels
- Deployment aids, like wedge clamps, masts etc.
- Training for deployment, repair and cable testing
- Solution engineering and system design



### Technische Daten bei 20 °C:

Type	Max. no. of fibres	Cable ø mm	Weight Kg/km	Max. tensile strength	
				Kurzzeit N	Langzeit N
BRUmil 1F	1	3,4	18	1000	750
BRUmil 2F	2	3,8	25	1900	1400
BRUmil 4F	4	3,8	25	1600	1100
BRUmil 8F	8	4,5	39	4000	2000
BRUmil 12F	12	5.4	65	4300	3000

Type	Min. bending radius		Max. crush resistance N/cm
	With tensile mm	Without tensile mm	
BRUmil 1F	51 (15xD)	34 (10xD)	2500
BRUmil 2F	57 (15xD)	38 (10xD)	1100
BRUmil 4F	57 (15xD)	38 (10xD)	1000
BRUmil 8F	68 (15xD)	45 (10xD)	1300
BRUmil 12F	81 (15xD)	54 (10xD)	700

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