BRUfield

Non-metallic mini tactical FO field cable for harsh environment use with strain bearing elements as armoring. Lightweight cable structure with a very small diameter enabling double the length of cable on the same reel than with standard non-metallic field cables

Application

- Tactical military and field applications where flexible robust communications lines are required
- Rapid deployment in harsh environment
- Indoor and outdoor

Description

- Non-metallic cable
- Central non-metallic loose tube construction for up to 4 fibers single-mode or multi-mode
- Higher crush resistance than other non-metallic field cables
- Higher tensile strength than other non-metallic field cables
- Longitudinally watertight
- Compact structure allowing larger quantities to be reeled on single drums
- Very low weight
- Robust sheath halogen-free

Construction

- Outer sheath constructed of either PE or PA sheath with extra abrasion resistance as requested
- Strain bearing elements for armoring and strain relief
- Gel filled non-metallic loose tube
- Up to 4 bend optimized fibers with primary coating
- Labeling on request, individual per reel

Temperature range

- Operating temperature -55 - +85
- Storage temperature -60 - +85

Jacket color

- Black similar to RAL 9005
- Labeling on request, individual per reel

Standards

- IEC 60794
- MIL-PRF-M85045

Remarks

Accessories offered

- Pre-assembly with military lens connectors
- Delivery on various reel sizes for easy deployment, as hand-reels, backpack or vehicle reels
- Adapting cables lens connector to standard connectors
- Deployment aids such as wedge clamps, masts, etc.
- Training for deployment, repair and testing
- Solution engineering and system design

Technical data:

Type	No. of Fiber	Cable ∅ mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
BRUfield	1 to 4	3.8	16	3000	1250

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. Crush resistance N/cm PE (PA)	Impact resistance Impacts	Repeated bending Cycles
BRUfield	15xD	10xD	450 (600)	200	2000

BRUGG CABLES Well connected.
DEFENCE & SECURITY
Phone +41 56 460 3333 • info.security@brugg.com • www.bruggcables.com/defence