

## BRUpowerfield

**Optimized Hybrid field cable for harsh environments, with reinforced loose tube that holds up to 4 fibers and two coaxial layers of electrical conductors for electrical power transmission.**

**Application:**

- Combination of power transmission and fiber optic communication over long distances.
- Tactical military or civil applications: temporary robust communication lines with power supplying to remote communication equipment
- Rapid deployment in harsh surroundings
- Indoor and outdoor

**Description:**

- Excellent crush resistance
- High permissible tensile strength
- Good rodent protection
- Compact structure, high flexibility
- Very low weight
- Robust sheath halogen free

**Construction:**

- Fibers with primary coating
- Gel filled stainless steel loose tube
- Internal stranded copper conductor
- PA sheath
- External stranded copper conductor
- Armoring and strain relief made of aramid yarns
- Outer PE sheath (optional PA)

**Temperature range:**

- Operating temperature: -45...+85°C
- Storage temperature: -55...+85°C

**Jacket color:**

- Anthracite similar to RAL 9011

**Standards:**

- IEC 60794
- MIL-STD-810F
- EN 61984:2001

**Deployment:**

- When installing this cable, the appropriate installation and application guidelines should be respected and abided by. These guidelines and further questions can be obtained at the Brugg Cables Engineering Department.

**Accessories and Services offered:**

- Pre-assembling with special hybrid military lens connectors, delivered on various reels for easy deployment
- 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



**Technical data:**

Type	Cable mm	Weight kg/km	Electrical resistance Ohm/km	Rated current A	Operating voltage	
					kV (AC)	kV (DC)
LLK-BPF 4F	4.6	36	34	6	1.0	1.5

Type	Max. no. of fibres units	Min. bending radius		Max. tensile strength		Max. Crush resistance N/cm
		with tensile mm	without tensile mm	short term N	long term N	
LLK-BPF 4F	4	15xD	10xD	1500	1200	1000

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