

# BRUpowermil

3\_7\_12

**Hybrid field cable for harsh environments, with stainless steel loose tube for maximum 4 fibers and two coaxial conductors for electrical power transmission.**

**LLK-BPML, patented**

**Description:**

- Central stainless steel loose tube with 4 fibers, single- or multimode and two stranded coaxial copper wires
- High crush resistance
- High tensile strength
- Excellent rodent proof
- Compact design,
- High flexibility I
- Low weight
- Robust sheath halogen-free
- RoHS compliant
- To brace with wedge clamps

**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

**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



**Construction:**

- Double layered outer PA sheath with extra abrasion resistance
- Armoring and strain relief made of stainless steel wires in combination with external copper conductor
- PA sheath
- Internal copper conductor
- Gel-filled stainless steel loose tube
- Fibers with primary coating

**Application:**

- Indoor and outdoor I
- Combination of power transmission and fiber-optic communication over long distances

**Technical data:**

Type	Cable mm	Weight kg/km	Electrical resistance Ohm/km	Rated current A	Operating voltage	
					kV (AC)	kV (DC)
LLK-BPM 4F	5.8	68	22	13	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	2800	1750	1000

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