

BRUpowermil

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

- Tactical military or civil applications: temporary robust communication lines with power supplying to remote communication equipment
- Rapid deployment in harsh surroundings

LLK-BPML, patented

Description

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

Temperature range

Operating temperature -40° ... +85°C
Storage temperature -50° ... +85°C

Jacket colour

Anthracite, similar to RAL 9011

Standards

IEC 60794
MIL-STD-810F

Remarks

- Accessories offered:•
- Pre-assembling with special hybrid military lens connectors with electrical contacts, delivered on various reels for easy deployment
 - Adapting cables for customer's solutions
 - Remote power supply RPS system
 - 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
- Fibres with primary coating

Application

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

Technical data

Type	Cable ø mm	Weight kg/km	Electrical resistance ~Ω/km	Rated current A	operating voltage	
					kV (AC)	kV (DC)
LLK-BPML-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-BPML-4F	4	15xD	10xD	2800	1750	1000

Subject to changes without notice



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