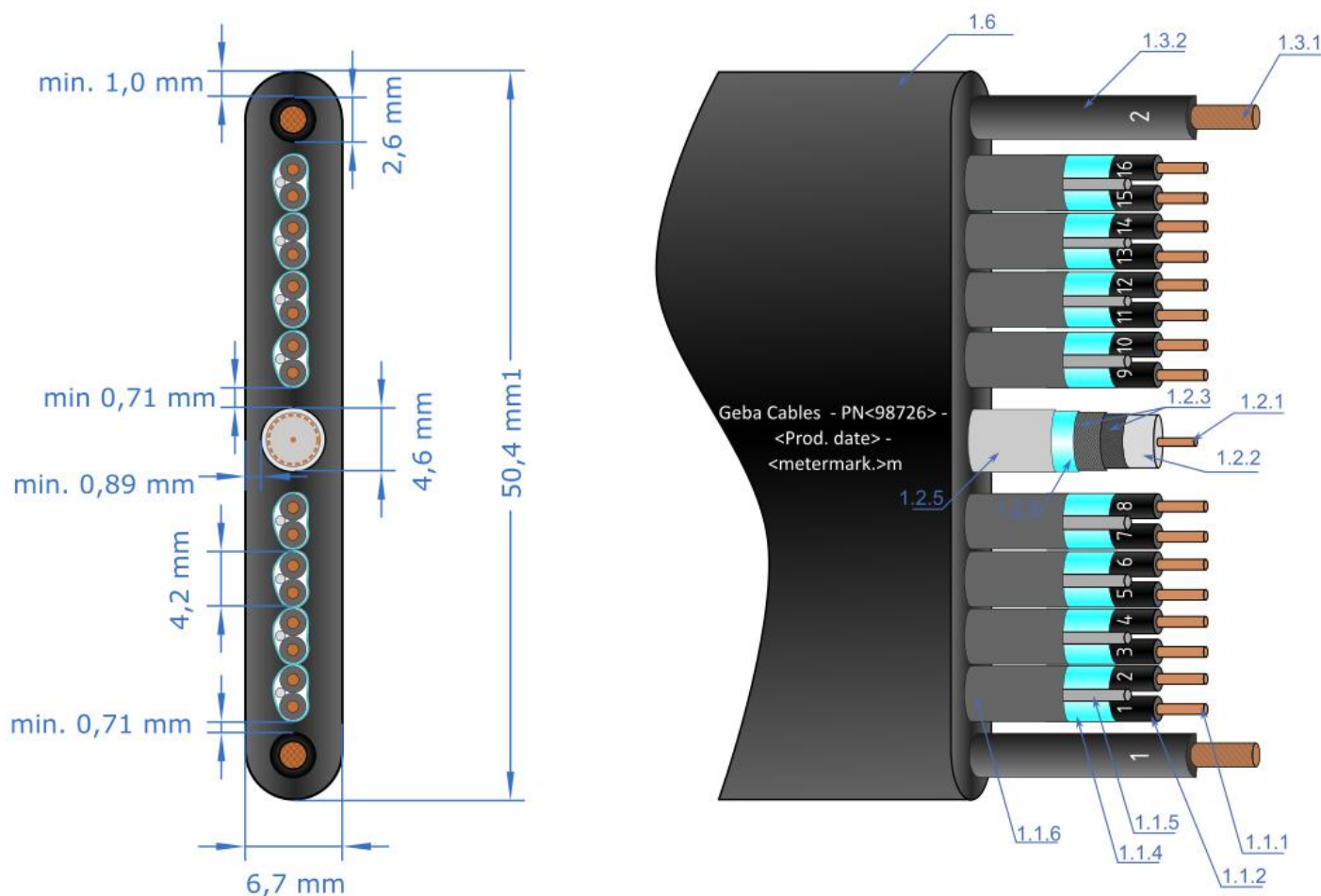


Part-No.	98726	Data Sheet No. 250017(X3271)	Issue: E12
Designed	Kholoshenko	Date: 26.02.2026	
Checked	Palmsteiner	Date: 26.02.2026	

Type LEAFL-(2YAF+V2YDDY+Y)Y-OZ 8x2x0,5+KX+2x1,4 PVC flat flexible lift cable



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1. DESIGN DATA

1.1 SCREENED PAIRS 0.50mm²

1.1.1 Conductor

Nominal cross-section area 0.50mm², bare copper wires (16 wires, max. $\varnothing$ 0.21mm)
conductor arrangement according to EN 60228, class 5

1.1.2 Insulation

PE, type 2YI2 according to EN 50290-2-23,
Shore D 48 $\pm$ 5 according to ISO 48-4,
colour : bk with wh number markings (1 to 16) according to EN 50334

1.1.3 Stranding

2 cores are twisted together,
lay (approx.) : 42mm.

1.1.4 Wrapping

PETP-foil

1.1.5 Earth conductor

Nominal cross-section area 0.34mm², tinned copper wires (7 wires, max. $\varnothing$ 0.26mm),

1.1.6 Screening

Al-PETP-foil, metal inside

1.2 COAXIAL ELEMENT

1.2.1 Conductor

Nominal cross-section area 0.14mm², tinned copper wires (7 wires, max. $\varnothing$ 0.16mm),

1.2.2 Insulation

PE, type 2YI2 according to EN 50290-2-23,
Shore D 48 $\pm$ 5 according to ISO 48-4,

1.2.3 Braid screen

2 layers bare copper wires, $\varnothing$ 0.15mm,
coverage $\geq$ 92%.

1.2.4 Wrapping

PETP-foil

1.2.5 Sheath

PVC, type TM2 according to EN 50363-4-1

Shore A 90 ± 5 according to ISO 48-4

colour : gy

1.3 CORE 1.5mm²

1.3.1 Conductor

Nominal cross section area 1.5mm² bare Cu wires (29 wires, max. $\varnothing$ 0.26mm)

conductor arrangement according to EN 60228, class 5

1.3.2 Insulation

PVC, type TI2 according to EN 50363-3,

Shore A 90 ± 5 according to ISO 48-4,

colour : bk with wh number markings (1 and 2) according to EN 50334,

measurements according to EN 50214.

1.4 ARRANGEMENT

The cores and the communication elements are summarized in groups, each group includes a tearing thread.

1.7 PARTING COMPOUND

Special parting compound.

1.8 SHEATH

PVC, type TM2 according to EN 50363-4-1,

Shore A 82 ± 5 according to ISO 48-4,

colour : bk

2. ELECTRICAL CHARACTERISTICS

2.1 SCREENED PAIRS 0.50mm²

2.1.1 Max. conductor resistance :	40.1 Ω /km at 20°C.
2.1.2 Nominal voltage (50 Hz) :	300/300 V(rms)
2.1.3 Testing voltage (50 Hz) :	core/core : 1.5 kV(rms), core/screen : 800 V(rms).

2.2 COAXIAL ELEMENT

2.2.1 Max. conductor resistance :	131 Ω /km at 20°C.
2.2.2 Nominal Impedance :	75 $\pm$ 3 Ω .
2.2.3 Nominal Capacitance :	67 pF/m.
2.2.4 Nominal Attenuation :	3.6 dB/100m at 5 MHz.
2.2.5 Velocity of propagation :	approx. 65%.
2.2.6 Return loss :	> 20 dB.
2.2.7 Testing voltage (50 Hz) :	1.5 kV(rms)

2.3 CORE 1.5mm²

2.3.1 Max. conductor resistance :	13.3 Ω /km at 20°C.
2.3.2 Nominal voltage (50 Hz) :	450/750 V(rms).
2.3.3 Testing voltage :	1.5 kV(rms)

3. PHYSICAL CHARACTERISTICS

3.1 OPERATION TEMPERATURE :	-20°C to + 70°C.
3.2 BENDING RADIUS :	Min. 7-x thickness of flat cable according to EN 50565-1
3.3 FLEXING TEST :	Min. 30.000 bending cycles
3.4 FREE HANGING LENGTH :	Max. 45m (max. lift height 80m).
3.5 LIFT SPEED :	Max. 6.3 m/s.
3.6 FIRE BEHAVIOR :	EN 60332-1-2
3. WEIGHT	approx. 505 g/m

4. IDENTIFICATION : Imprint Geba Cables - PN<98726> - <Prod. date> - <metermarking>m

5. DELIVERY MAKE-UP : On drums E-12 (1200mm flange- $\emptyset$) with regular-length 1.0km.

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