

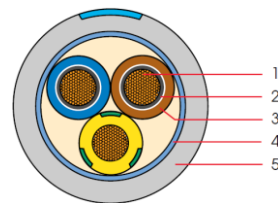
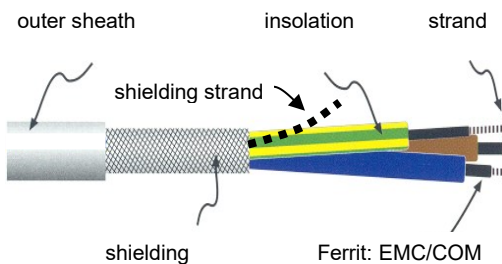
GNLM

EMC mains connection cable with low-pass behavior

EMC – mains connection cable

- Shielding: plastic foil with aluminum tape in contact with tinned stranded wire
- With ferrite absorption layer / EMC/COM ferrite coating
- Conductor cross section: 1 mm² or 2,5 mm²

Minimum purchase quantity 50 m other lengths on request.



Structure (see technical data)

Overview

GNLM cables are power supply cables with low-pass characteristics. The EMC/COM ferrite coating gives the cable low-pass properties.

This means that the cable allows low frequencies to pass (DC voltage, AC voltage, wired communication frequencies) and blocks high frequencies (e.g. radio interference frequencies).

The attenuation is proportional to the length and increases exponentially to the frequency.

Keys facts

- Available in two conductor cross-sections: 3 strands of 1 mm² or 2.5 mm²
- Delivery length 50 m ring or 500 m drum



GNLM

EMC mains connection cable with low-pass behavior

Technical data

GNLM	
Conductor [1]	Tinned copper, class 5 according to EN 60228
Ferrit barrier [2]	EMC/COM
Insulation [3]	PVC
Shielding [4]	Aluminum polyester tape, contacts shielding strand
Outer sheath [5]	PVC grey (RAL 7035) or PVC black at 3G2,5
Cores	3 (blu, brown, green-yellow)
Assembly	cores are laid-up in concentric layers

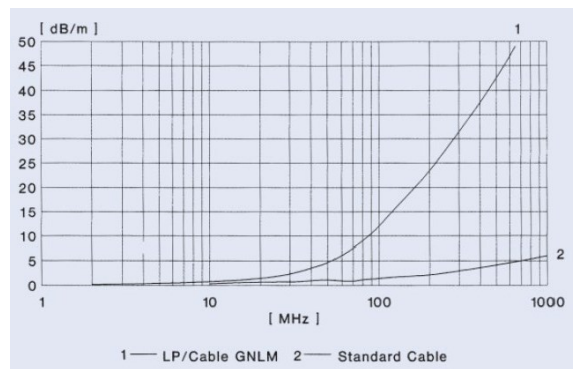
Dielectric strength	2 kV _{AC} during 5 min
Insulation resistance	min. 10 MΩ*km
Minimum purchase	50 m ring
Operating temperature	-25 °C to 70 °C

Technical data II

Type	R conductor [Ohm/km]	Cross section conductor	Insulation wall thickness	Cross section shielding strand	Outer diameter	Net-weight
GNLM 3G 1,0OZ (ring or reel)	20.0	1 mm ²	0.6 mm	0.5 mm ²	8.9 mm	105 kg/km
GNLM 3G2,5 AL -50 (ring) GNLM 3G2,5 AL-500 (reel)	8.21	2.5 mm ²	0.8 mm	1.0 mm ²	11.9 mm	200 kg/km

Technical data III

Attenuation
(typical value)



All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. We reserve the right to make technical changes. 022208

