Communication Data Cables

Filotex®

HF Multipairs L904 EMI (with overall braid)

PRODUCT REFERENCES

FILOTEX ref. :**L904 EMI**

CONSTITUTION

① 0.5 mm red copper core

② cellular polyolefin insulation
Ø max = 1.35 mm
blue / red colour code

③ Polyester tape

④ Tinned copper drain wire
Ø = 0.5 mm

⑤ Numbered aluminium screening tape
Ø = 3.00 ± 0.15 mm

⑥ Tinned copper drain wire
Ø = 0.5 mm

⑦ Screening tape: Aluminium/ Polyester/Aluminium

⑧ Overall braid:Tinned copper

⑨ Overall PVC jacket according to NFC 32-062/1

Main applications

120 Ω multipair range for transmission network.

Main characteristics

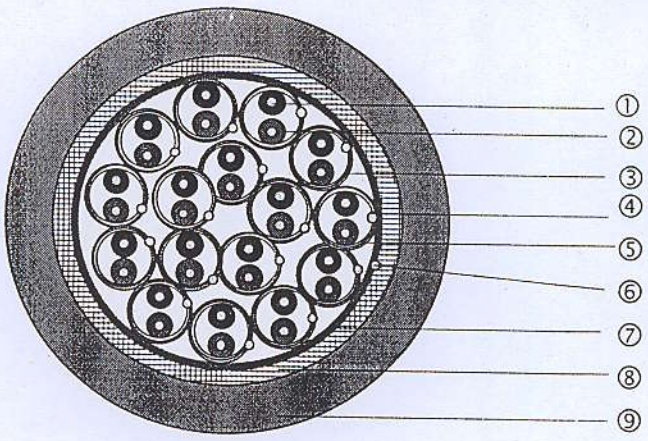
Number of pairs	Part Number	Maxi overall Ø (mm)	Sheath thickness (mm)	Weight (Kg/km)
1/2	**387 611**	5.2	0.8	29
2/2	**387 612**	7.9	0.8	51
4/2	**388 350**	9	0.8	92
6/2	**388 351**	11.7	1	137
8/2	**388 352**	13.1	1	150
10/2	**387 303**	13.5	1	176
16/2	**388 089**	16.3	1.4	280

For cables which have more 2/2, cable's core will be cover with a screening tape aluminium/polyester/aluminium + tinned copper drain wire.

Each pair is shielded with an aluminium foil and a drain wire inside.

Electrical values

Loop resistance : ≤ 187.9 Ω/km at 20 °C
Insulation resistance at 200 V (conductor/unity) : > 5000 MΩ.km
Dielectric strength(blue conductor / red conductor) : > 1500 V
Dielectric strength (conductor/ screen) : > 1500 V
Characteristic impedance at 1 MHz : 120 Ω ± 10
Capacitance unbalance at 800 Hz : < 1000 pF/250 m
Far-end crosstalk interval at 120 KHz for cable's pairs : > 85 dB/500 m
Far-end crosstalk interval at 1 MHz for cable's pairs : > 70 dB/500 m
Near-end crosstalk attenuation between 2/2 of 2 cables laying side by side :
by 25 meters from 120 KHz to 1MHz : cable 4/2 to 16/2 > 126 dB
cable 1/2 and 2/2 > 110 dB
Attenuation at 20 °C at 1 MHz : < 20 dB/1000m



Passing on or copying of the document, use or communicate of its content is not permitted without prior written authorization.

GEMAPRO
P.T. GEMAbangun PRIMAperkasa
Ko[illegible] Mangga Dua Plaza (RUKO)
Blok G No. 30, Jl. Mangga Dua Raya
Jakarta [illegible], INDONESIA
Tel [illegible] 6121847, 6121848, 6121849
Fax [illegible] 6120094