ELECTRONIC

ABS 0972 KB 24
Shielded Quad
24 AWG 100 OHMS

Filotex®

PRODUCT REFERENCES

FILOTEX Ref : **ET 2PC236**

Applications

- High speed data transmission – Ethernet networks – 100 Mbit/s and in-flight entertainment application.

Temperature rating

- Operating temperature : - 55°C up to +125°C.
- Storage temperature : - 55°C up to +200°C.

Identification

- Inkjet marking pitch length ≈ 300 mm.

Pitch length between the two text marking ≈ 150 mm

AB KB 24 FR F 01

Electrical characteristics :

Loop resistance : 19.2 Ohms/100 m at 20°C (Max).
Insulation resistance : 150 M.ohms / Km at 20°C.
Impedance : 100 ± 15 Ohms from 1 to 100 MHz
Velocity of propagation : 69 %
Next > 65 -15 x log (F) dB from 1 to 100 MHz
Attenuation Nominal Values :

2.1	dB/100 m at 1	MHz
4.1	dB/100 m at 4	MHz
6.5	dB/100 m at 10	MHz
8.2	dB/100 m at 16	MHz
9.3	dB/100 m at 20	MHz
11.7	dB/100 m at 31.25	MHz
17	dB/100 m at 62.5	MHz
22	dB/100 m at 100	MHz

CONSTRUCTION

CONSTITUTION

1. 19 x 0.13 mm Silver Copper stranded 24 AWG
FEP Insulated
Ø = 1.40 mm
Color : Blue-Red-Yellow-Green

2. Natural FEP Filler

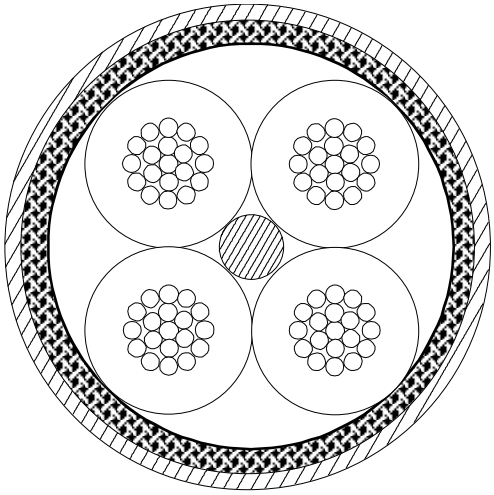
3. Wrapping Tape

4. 0.10 mm Silver Copper Braid

5. Clear Blue FEP Jacket for UV laser marking
Ø = 4.40 +/- 0.20 mm

Weight : 40,28 g/m nominal

SPECIFICATION ABS 0972



140 – 146 rue E. Delacroix / BP 1
F – 91211 Draveil cedex – FRANCE
Tel : + 33 1 69 83 78 00
Fax : + 33 1 69 42 05 70

Nexans

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