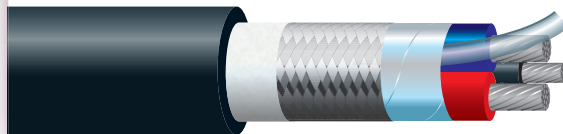


DATARAIL®

120BE80EM104

2x0.5 + 1x0.5 mm²

Sheathed cable



Characteristics

Thermal

Continuous operating temperature:
-40 °C to +80 °C.

Electrical

Operating voltage: 300 V.
Test voltage: 2 kV A.C.

Nominal impedance from 0.75 to 3 MHz: 120 Ω.
Mutual capacitance: ≤ 46 pF/m.
Nominal velocity ratio: ≥ 63 %.
Max attenuation at 1 MHz: 1.4 dB/100 m.
Max attenuation at 3 MHz: 2.2 dB/100 m.
Insulation resistance at 20 °C: ≥ 1750 MΩ.km.
Linear resistance at 20 °C: ≤ 40.1 Ω/km.

Mechanical

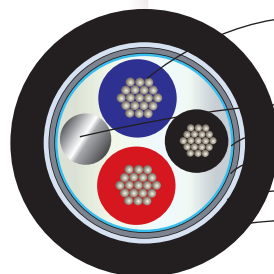
Cutthrough resistance: ★★★★★
Resistance to abrasion: ★★★★★☆
Minimum static internal bending radius: 8xD.

Chemical

Acid and base resistance: ★★★★★☆
Mineral oil resistance: ★★★★★☆
Fuel resistance only for class M: ★★★★★☆

Fire-smoke

Halogen-free (EN 50267-2-1).
Low toxicity (EN 50267-2-2).
Low smoke (EN 61034-2).
Flame retardant (EN 60332-1-2, EN 60332-3-24).
Fire smoke protection (NF F16-101, EN 45545-2).



- 1, 2 • Twisted pair (2x0.5 mm²) + 1 conductor (1x0.5 mm²)
 > Conductor : Tin-plated copper core (19/0.18 mm)
 Class 5 - EN 60228
 > Insulation : Polyolefin
- 3 • Filler
- 4 • PET and ALU/PET tapes
- 5 • General electrical shielding (tin-plated copper braid)
- 6 • Fire-retardant tape
- 7 • Fire resistant elastomer

Reference

DATARAIL® 120BE80EM104 2x0.5 + 1x0.5 mm².

Core number	Nominal cross-section (mm ²)	Nominal conductor diameter (mm)	Nominal sheath thickness (mm)	Nominal cable outer diameter (mm)	Approx. linear weight (kg/km)
2	0.5	2.35	0.8	6.8	61
+1	0.5	1.45			

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LES CABLES DE L'EXTREME

For this product, please contact :



SEVI KABEL

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