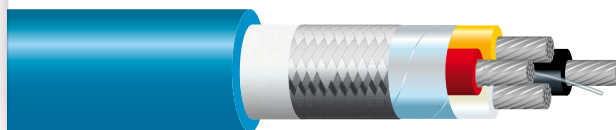


DATARAIL®

120BE80EM104

4x0.5 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 0.5 to 2 MHz: 120 Ω.
Mutual capacitance: ≤ 45 pF/m.
Nominal velocity ratio: ≥ 63 %.
Max attenuation at 1 MHz: 1.5 dB/100 m.
Max attenuation at 2 MHz: 2 dB/100 m.
Insulation resistance at 20 °C: ≥ 1750 MΩ.km.
Linear resistance at 20 °C: ≤ 40.1 Ω/km.

Mechanical

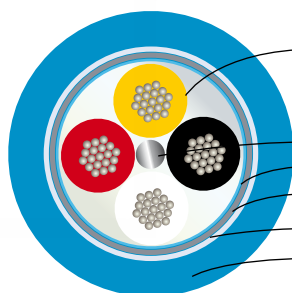
Cut-through resistance: ★★★★★
Resistance to abrasion: ★★★★★☆
Minimum static internal bending radius: 8xD.

Chemical

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

Fire-smoke

Halogen-free (EN 60754-1).
Low toxicity (EN 60754-2).
Low smoke (EN 61034-2).
Flame retardant (EN 60332-1-2, EN 60332-3-24).
Fire smoke protection (EN 45545-2).



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

Reference

DATARAIL® 120BE80EM104 4x0.5 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)
4	0.5	2.2	1	8	72

For this product, please contact :

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The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.
For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.
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