

MXR 0,45L/1,4-PVC

Product-Nr.: 3309



Usage

Low-noise coaxial measuring cables are used wherever the smallest voltages or charges have to be reliably measured, e.g. in pH measurement technology or nuclear research. The method was developed by bda connectivity and ensures reproducible results. Depending on the requirements, these cables can be supplemented with supply or power supply wires as well as additional shields.

Mechanical Properties

| | |
|------------------------------------|-----------|
| Min. bending radius (dynamic) [mm] | 30 |
| Min. bending radius (static) [mm] | 15 |
| Max. tensile strenght [N] | 50 |
| Operating temperature range [°C] | -20 / +70 |
| UV-resistance | Very good |

Construction

| | |
|--------------------------------------|--|
| Photo | Colours and design may differ from the picture |
| Inner conductor dimensions [mm] | 0,45 (7 x 0,15) |
| Inner Conductor material | Cu bare |
| Insulation dimensions [mm] | 1,40 |
| Insulation material | PE |
| Conudctive layer material | semi-conductive PVC |
| Conductive layer dimensions [mm] | 1,70 |
| 1. Outer Conductor dimensions [mm] | 2,2 |
| 1. Outer Conductor material | Cu braid |
| 1. Outer Conductor opt. coverage [%] | 92 |
| Jacket material | PVC black |
| Jacket dimensions [mm] | 2,90 |
| Construction Number | 060157 |

Electrical Properties

| | |
|--------------------------------------|-------|
| Characteristic impedance [Ω] | 50 |
| Capacitance approx. [pF/m] | 101 |
| Velocity ratio [v/c] | 0,66 |
| DC resistance inner conductor [Ω/km] | <150 |
| DC resistance outer conductor [Ω/km] | <33 |
| Insulation resistance [M Ohm * km] | >10^8 |
| Noise voltage [mV] | <2 |
| Max. current carrying capacity [A] | 1,5 |

Alle Angaben verstehen sich, falls nicht anders angegeben, als Nennwert. Änderungen in Konstruktion und Ausführung vorbehalten. Entwicklung Kabel - Judt - 05026701 - 2011-03-11.