Datasheet

MXR 0,9Lz/2,95z-PVC

Product-Nr.: 1214

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

Heat of combustion [kWh/m]	0,14
Min. bending radius (dynamic) [mm]	50
Min. bending radius (static) [mm]	25
Max. tensile strenght [N]	150
Operating temperature range [°C]	-20 / +70
UV-resistance	Very good

Construction

Photo	Colours and design may differ from the picture
Inner conductor dimensions [mm]	0,90 (19 x 0,18)
Inner Conductor material	Cu tinned
Insulation dimensions [mm]	2,95
Insulation material	PE
Conudctive layer material	semi-conductive PVC
Conductive layer dimensions [mm]	3,40 ± 0,10
1. Outer Conductor dimensions [mm]	3,95
1. Outer Conductor material	Cu tinned
1. Outer Conductor opt. coverage [%]	88%
Jacket material	PVC black
Jacket dimensions [mm]	5,0
Construction Number	891050

Electrical Properties

Characteristic impedance [Ω]	50
Capacitance approx. [pF/m]	102
Velocity ratio [v/c]	0,66
DC resistance inner conductor [Ω/km]	<40
DC resistance outer conductor [Ω/km]	<18
Insulation resistance [M Ohm * km]	>10
Noise voltage [mV]	<2
Max. current carrying capacity [A]	3,0

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