



## High immunity extension cable

### Application

- Transmission of low level pulse signals

### Features

- High level of resistance or radiations and electromagnetic parasitic signals
- Watertight, mineral insulated cables and connectors

Electrical characteristics			
Cable	Characteristic impedance	50	Ohm
	Capacitance	170	pF/m
	Line resistance	0.4	Ohm/m
	Attenuation	0.34	dB/m
Extension	Transfer impedance (20 kHz – 100 MHz pass band)	<10 <sup>5</sup>	Ohm/m
	Insulating resistance at 900 VDC	>10 <sup>12</sup>	Ohm
	Breakdown resistance	>1000	VAC

Mechanical and physical characteristics		
Cable	Type	Coaxial, high immunity
	Insulator	MgO
	Curvature radius <sup>10</sup>	min 60 mm
	Operating temperature	< 600 °C
Connector	Type <sup>11</sup>	HN
	Insulator	Al <sub>2</sub> O <sub>3</sub>
	Operating temperature	< 170 °C short term < 130 °C long term

Max operating temperature: 170 °C short term, 130 °C long term

Options		
Cable	External insulation	Radiation resistant tape or tubing
	Other cable types on request	
Connector	Reinforced	< 3000 kPa external pressure
	Other connector types on request	
Extension	Triaxial on request	

Unless otherwise stated, all characteristics are given at 20°C and dimensions in mm.

### Outline

