

product specification

Current mode extension cables

Application : extension cables have been developed for the transmission of low level current signals delivered by nuclear detectors under environmental conditions which do not allow the use of organic insulated cables. Such extension cables are equipped with BNC or BNC-HT (MHV) connectors and offer a good level resistance to radiations. Other connectors are possible on request.

Unless otherwise stated, all characteristics are given at 20°C

Mechanical and physical characteristics

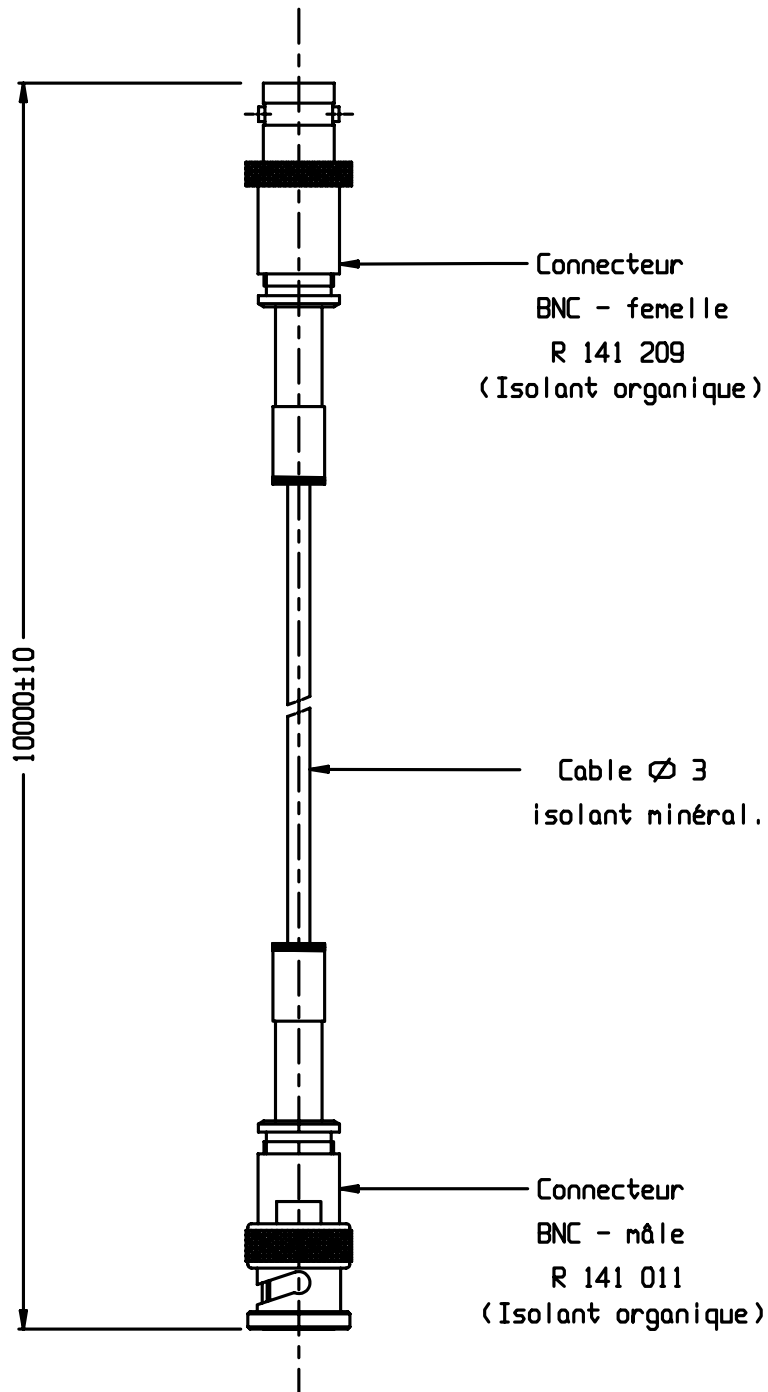
Cable :		
type		1 AcCAc 30
external diameter	3	mm
mineral isulator		MgO
curvature radius	min 40	mm
electrical insulation by "Scotch 27" (optional)		50% overlapping
Connectors :		
type	male or female,	BNC or BNC-HT
insulator	PTFE	
Operating temperature :		
for short times	120	°C
for long times	80	°C
Overall length :		
maximum (request when ordering)	50	m

Electrical characteristics

Cable :		
capacitance	280	pF/m
line resistance	1.8	Ω/m
Extension :		
insulating resistance at 900 V :	min 10 ¹²	Ω
breakdown resistance	1000	Veff/min

product specification

All dimensions in mm



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