

Coax insert cable Connectors

P/N 1392019-1

P/N 1392020-1

DESIGN OBJECTIVES

Coax insert cable connectors

The product described in this document has not been fully tested to ensure performance to the requirements outlined below. Therefore TYCO* makes no representation or warranty, express or implied, that the product will comply with these requirements.
Further TYCO may change these requirements based upon the results of additional testing and evaluation.
Contact TYCO Engineering for further details.

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DESIGN OBJECTIVES**1 SCOPE****1.1 Introduction.**

This specification covers performance, test and quality requirements for the TYCO ELECTRONICS 1.0/2.3 Insert connectors 1392019-1 and 1392020-1. All dimensions, materials and plating which are not mentioned in this specification have to meet the requirements specified in the European Standard CECC 22 330 (Draft of June 1996)

2 REQUIREMENTS**2.1 Design and Construction**

Products construction and physical dimensions are according to the applicable standards (1.1) and the Customer drawings mentioned below (4.1)

2.2 Materials and Finish

Spring contacts : Beryllium Copper
Contact plating : Gold, 1 μ m min.
Dielectric : PTFE

2.3 Electrical specs (according to CECC 22000)

Specification	Symbol	Conditions	Value	Unit
Impedance	Z_0		50 ± 2	Ohm
Reflexion factor		till 2GHz	≤ 0.10	
center conductor resistance	R_{contact}	initial	≤ 4	mOhm
Outer conductor continuity		initial	≤ 2.5	mOhm
voltage proof		see level	750	V
Insulation resistance	R_{isol}	initial	≥ 1	Gohm

DESIGN OBJECTIVES**2.4 Mechanical specs** (according to CECC 22000)

Specification	Symbol	Conditions	Value	Unit
contact captivation			≥ 10	N
mating and separation forces		mating	max 10	N
		separation	min 0.9	N
cable fixation			min 100	N
Life			≥ 500	operations

2.5 Environmental specs (according to CECC 22000)**3 GENERAL REMARKS**

- Part numbers :

Tyco P/N
0-1392019-1
0-1392020-1

4 APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, latest edition of the document applies. In the event of conflict between requirements in this specification and product drawing, this specification shall take precedence. In the event of conflict between requirements in this specification and referenced documents, this specification shall take precedence.

4.1 Tyco Drawings

Customer drawings : C-1392019
C-1392020
Application spec : 114-90006