

Radio-frequency connectors —

Part 2: Specification for coaxial unmatched connector

[IEC title: “Radio-frequency connectors” Part 2 “Coaxial
unmatched connector”]

UDC 621.315.683.029.5/6:621.315.212

Cooperating organizations

The Electronic Components Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government department and professional and industrial organizations:

- British Electrical and Allied Manufacturers' Association (BEAMA)
- Electricity Supply Industry in England and Wales
- Electronic Components Board
- Electronic Engineering Association*
- Institution of Electronic and Radio Engineers
- Ministry of Defence*
- National Supervising Inspectorate*
- Post Office*
- Radio and Electronic Components Manufacturers' Federation*
- Society of British Aerospace Companies Limited*
- Telecommunication Engineering and Manufacturing Association (TEMA)
- Trades Union Congress

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Association of Manufacturers Allied to the Electrical and Electronic Industry (BEAMA)
- Department of Prices and Consumer Protection — British Calibration Service
- United Kingdom Atomic Energy Authority

This British Standard, having been prepared under the direction of the Electronic Components Standards Committee, was published under the authority of the Executive Board on 29 July 1977

© BSI 10-1999

First published as
BS 3041 October 1958
First revision as BS 3041-2

The following BSI references relate to the work on this standard:
Committee reference ECL/6/8
Draft for comment 76/28827 DC

ISBN 0 580 09754 1

Amendments issued since publication

Amd. No.	Date of issue	Comments
4868	July 1985	Indicated by a sideline in the margin

Contents

	Page
Cooperating organizations	Inside front cover
Foreword	ii
1 Dimensions	1
1.1 Connector	1
1.2 Gauges	3
1.3 Mating component for socket connectors for endurance test	4
2 Climatic group	4
3 Schedule for type test	5
Figure 1	1
Figure 1a	2
Figure 2	1
Figure 2a	2
Figure 3	3
Figure 4	3
Figure 5	3
Figure 6	3
Figure 7	4
Publications referred to	Inside back cover

Foreword

This Part of this British Standard is identical with IEC Publication 169 “*Radio-frequency connectors*” Part 2:1965 “*Coaxial unmatched connector*” including Amendment No. 1. It has been prepared under the direction of the Electronic Components Standards Committee.

This Part 2 of BS 3041 is a revision of BS 3041:1958 “*Television and VHF broadcast receiving aerial feeder connectors*”. Its text is now harmonized with the text adopted by CENELEC.

This standard is intended to be read in conjunction with Part 1 of BS 3041.

Cross references. For each of the following references to other IEC Publications that are given in the text, there is an equivalent British Standard; these are as listed below.

Reference to IEC Publication	Equivalent British Standard
IEC 96 <i>Radio-frequency cables</i>	BS 2316 <i>Radio-frequency cables</i>
Part 2:1961 <i>Relevant cable specifications</i>	Part 3:1969 <i>Cable data sheets</i>
IEC 169 <i>Radio-frequency connectors</i>	BS 3041 <i>Radio-frequency connectors</i>
Part 1:1965 <i>General requirements and measuring methods</i>	Part 1:1977 <i>Specification for general requirements and measuring methods</i>

NOTE Cable type “96-IEC-50-3-13” is equivalent to cable type URM 43 or URM 76 in BS 2316-3:1969; cable type “96-IEC-75-4-13” is equivalent to cable type URM 90, URM 117 or URM 306 in BS 2316-3:1969. Regarding the references to the IEC cable types in clause 3 of this standard, see “Textual errors” below.

Textual errors. Attention is also drawn to the incorrect use of symbols for dimensions in the figures and tables on pages 1 to 4, and for the variable force in 3.2 on page 5. In accordance with ISO 31/0, these symbols should be printed in italic (sloping) type.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

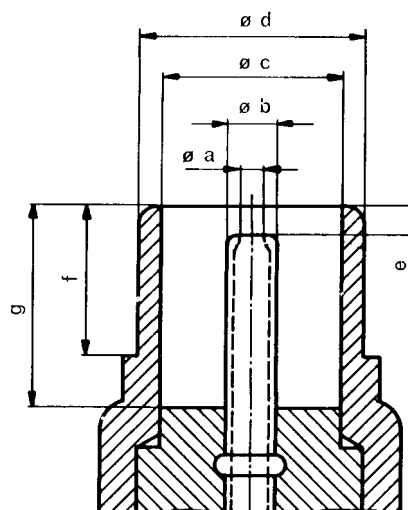
This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Dimensions

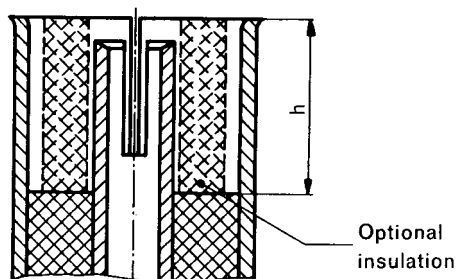
1.1 Connector

1.1.1 Connector with push-pull coupling (without locking)



NOTE Dimension "a" applies only to hollow pins.

Figure 1



NOTE If the connector with socket contact is used as a fixed connector (4-hole panel-mounting) it should have a flange of 25.4 mm $\times$ 25.4 mm (1 in $\times$ 1 in) and a fixing hole spacing of 18.24 mm (0.7181 in).

Figure 2

The millimeter dimensions are derived from the original inch dimensions.

	a	b	c	d	e	f	g	h
mm	1.3 min	2.36	8.05 min	9.525	0.8	7.11 min	9.1 min	7.54 min
in	0.051 min	± 0.076 0.093 ± 0.003	0.317 min	± 0.05 0.375 ± 0.002	± 0.4 1/32 $\pm 1/64$	0.280 min	23/64 min	19/64 min