

Wideband cabled distribution systems —

Part 1: Glossary of terms

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- British Broadcasting Corporation
- British Radio and Electronic Equipment Manufacturers' Association
- British Telecommunications
- Department of Trade and Industry, Directorate of Radio Technology
- Institution of Electronic and Radio Engineers
- Radio, Electrical and Television Retailers' Association

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Kinematograph, Sound and Television Society
- Cable Television Association of Great Britain
- Consumer Standards Advisory Committee of BSI
- Consumers' Association
- Electric Cable Makers' Confederation
- Electronic Components Industry Federation
- Electronic Engineering Association
- Independent Broadcasting Authority
- Institution of Electrical Engineers
- Society of Cable Television Engineers
- Telecommunication Engineering and Manufacturing Association

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Foreword

This Part of BS 6513 has been prepared under the direction of the Electronic Equipment Standards Committee. It is based on a draft provided by the Department of Trade and Industry. It forms Part 1 of a multipart standard for wide-band cabled distribution systems; the other Parts to date are as follows:

- *Part 2: Methods of measurement;*
- *Part 3: Specification for performance requirements, including system safety, for downstream television and f.m. sound radio signals;*
- *Part 4: Specification for performance requirements, including system safety, for upstream television.*

Defined terms used in other definitions are shown in italics.

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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.

0 Scope

This Part of BS 6513 gives terms and definitions which are applicable to wideband cabled distribution systems.

The application of these terms is illustrated in Figure 1.

NOTE 1 Terms that are not defined in this glossary but are used in other Parts of the standard are defined in BS 4727-3:Group 04 or in the appropriate International Radio Consultative Committee (CCIR) document. However, this standard uses the term “cabled distribution system” instead of “wired distribution system” as defined in BS 4727-3:Group 04.

NOTE 2 The titles of the publications referred to in this standard are listed on the inside back cover.

Section 1. System structures and practices

No.	Term	Definition
1 01	tree structured network tree network	A cabled distribution system in which <i>subscribers' feeders</i> are connected to <i>spur feeders</i> via <i>subscribers' taps</i> .
1 02	star structured network star network	A cabled distribution system in which <i>subscribers' feeders</i> are connected directly to <i>star points</i> .
1 03	switched star structured network s witched star network	A cabled distribution system in which <i>subscribers' feeders</i> are connected directly to <i>switching points</i> .
1 04	bidirectional system two-way system	A cabled distribution system incorporating both <i>forward</i> and <i>reverse paths</i> .
1 05	forward path downstream	The transmission path followed by signals travelling away from a <i>head end</i> towards a subscriber's premises.
1 06	reverse path upstream	The transmission path followed by signals travelling away from a subscriber's premises towards a <i>head end</i> .
1 07	status monitoring	A process whereby specific conditions throughout a cabled distribution system are centrally monitored.
1 08	encryption scrambling	A process by which a signal is deliberately modified so that it will not yield a picture (or sound) of acceptable quality unless it is first subjected to a complementary process to restore it substantially to its original form.
1 09	decryption descrambling	The process of removing the modification of a signal introduced by <i>encryption</i> .
1 10	switching	The selection of a desired signal from a number of available signals.

Section 2. Active equipment stations

2 01	head end	Equipment that is connected between receiving antennas or other signal sources and the remainder of the cabled distribution system to process the signals to be distributed. NOTE The head end may, for example, comprise <i>antenna amplifiers</i> , <i>frequency converters</i> , <i>combiners</i> , <i>separators</i> and <i>generators</i> .
2 02	local head end hub head end	A subsidiary <i>head end</i> often located at the centre of its service area with inputs from a <i>supertrunk feeder</i> (or microwave link) and possibly other sources.
2 03	distribution point	A point where signals are taken from the <i>trunk feeder</i> to energize <i>branch</i> and/or <i>spur feeders</i> . NOTE In some cases a distribution point may be directly connected to the <i>head end</i> .
2 04	conversion point	A <i>distribution point</i> at which frequency conversion of one or more of the input signals is effected.
2 05	data concentration point	A <i>distribution point</i> to which several <i>switching points</i> are connected, where data signals to and from those <i>switching points</i> are handled.