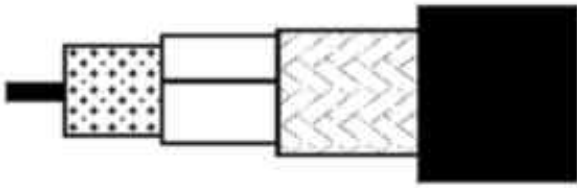


H500C00

Part Number: H500C00

COAX RF H500 PE



Product Description

COAX RF H500 PE

Product Specifications

Application

Application 1:	Coaxial cables used for Radio-Frequency designed according the International Standard IEC 1196
----------------	--

Technical Specifications

Bend Radius

Min Bend Radius (W/o Pulling Strength):	100 mm
---	--------

CCB-Sub-Crush Resistance

Crush Resistance:	Max. 1% (load of 700N) N
-------------------	--------------------------

CCB-Sub-Material

Min Elongation at Breakof Jacket:	300 MPa
-----------------------------------	---------

Min Tensile Strength of Jacket:	10 lbs
---------------------------------	--------

Environmental Characteristics

Operating Temp Range:	-40 to +70 °C
-----------------------	---------------

Storage Temp Range:	-40 to +70 °C
---------------------	---------------

Installation Temp Range:	-5 to +50 °C
--------------------------	--------------

General Electrical Parameters

Min Insulation Resistance:	10000 mOhm/1000ft
----------------------------	-------------------

Global Standard

ISO/IEC Compliance:	IEC 1196
---------------------	----------

History

Revision Date:	2005-11-02
----------------	------------

Revision Number:	2
------------------	---

Stripping Performance

Adhesion Dielectric:	39-390 at 50 mm
----------------------	-----------------

Impedance:

Nominal Characteristic Impedance

50 mOhm/ft	2 Ohm	Min. 46 dB
------------	-------	------------

Conductor DCR:

Max. Conductor DCR Max. Conductor Loop Max. Shield DCR

3.8 Ohm/100m	15.3 Ohm/1000ft	11.5 Ohm/km
--------------	-----------------	-------------

Delay:

Nominal Velocity of Propagation (VP) Velocity of Propagation Tolerance

81 ns/100m	2 %
------------	-----

Voltage:

Voltage Test Dielectric

3 kV DC

Screening:

Frequency Min. Screening Attenuation

30 - 1000 MHz	90
---------------	----

Capacitance:

Capacitance Tolerance Nominal Capacitance

3 pF/m	82 pF/m
--------	---------

High Frequency (Nominal/Typical):

Element	Frequency (MHz)	Nom. Insertion Loss
	5 MHz	0.9 db/100m
	50 MHz	2.9 db/100m
	100 MHz	4.1 db/100m
	200 MHz	6 db/100m
	400 MHz	8.7 db/100m
	600	10.9 db/100m
	800	12.9 db/100m
	1000	14.6 db/100m
	1350	17.4 db/100m
	1750	20.3 db/100m
	2150	23 db/100m
	2400	24.6 db/100m
	5000	38.9 db/100m
	10000	61.7 db/100ft

Max. attenuation 10% higher

Insulation:

Element	Type	Material	Nominal Diameter	Diameter +/- Tolerance
	Dielectric	Foamed Polyethylene	7 mm	0.2 mm

Centricity min. 85%

Outerjacket 1:

Element	Material	Nominal Diameter	Diameter - Tolerance
	Polyethylene	9.8 mm	0.3 mm

According to European Standard HD 624

Conductor:

Stranding	Material	Nominal Diameter	Diameter +/- Tolerance
Solid	Bare copper	2.5 in	0.03 mm

Outershield 1:

Type	Layer	Material	Coverage	Min. Overlap	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Tape	1	Copper		2 mm			
Braid	2	Bare copper	50 %		7.45 mm	0.25 mm	5 %

Product Variants

Part Number	Color	Put-Up Type	Length
H500C00.002000	BLACK	Reel	2000 m
H500C00.00250	BLACK	Reel	250 m
H500C00.00500	BLACK	Reel	500 m
H500C00.00C100	BLACK	Coil	100 m
H500C00.012000	BLACK	Reel	2000 m

© 2015 Belden, Inc.

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.