

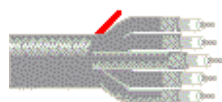
# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

735C12 Coax - 735C\* Series



DISTRIBUIDO POR  
**INCOM**<sup>®</sup>



## Description:

25H AWG solid .017" silver-plated copper conductors, foam HDPE insulation, Duobond® + tinned copper braid shield (96% coverage), inner PVC jackets, overall PVC jacket with ripcord.

## Usage (Overall)

**Suitable Applications:** Central Office wiring for DS3 transmissions

## Physical Characteristics (Overall)

### Conductor

**AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
12	25H	Solid	SPC - Silver Plated Copper	.0169

### Insulation

**Insulation Material:**

Insulation Material	Dia. (in.)
FHDPE - Foam High Density Polyethylene	.077

### Inner Shield

**Inner Shield Material:**

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duobond®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	96

### Inner Jacket

**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	0.134

### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Outer Jacket Ripcord:** Yes

## Overall Cable

**Overall Nominal Diameter:** 0.608 in.

## Mechanical Characteristics (Overall)

**Operating Temperature Range:** -40°C To +75°C

**Bulk Cable Weight:** 203 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 432 lbs.

**Min. Bend Radius (Each Coax):** 1.300 in.

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



DISTRIBUIDO POR  
**INCOM**<sup>®</sup>

## 735C12 Coax - 735C\* Series

Min. Bend Radius (Overall): 6.100 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/09/2007
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	Telcordia Specification GR-139-Core; SBC ENTERPRISE - SBC-002-316-019, ISSUE 4

#### Flame Test

UL Flame Test:	UL1666 Vertical Shaft
C(UL) Flame Test:	FT4

#### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

#### Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance ( $\mu$ H/ft)

.19

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.7

#### Nominal Velocity of Propagation:

VP (%)

79

#### Nominal Delay:

Delay (ns/ft)

1.29

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

40

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.3

#### Max. Attenuation:

Attenuation (DS3/4) (dB/100 ft.) Freq. (MHz) Attenuation (dB/100 ft.)

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

## 735C12 Coax - 735C\* Series

0	1.000	0.500
0	5.000	1.100
0	10.000	1.500
0	22.500	2.300
0	50.000	3.400
0	100.000	4.990
0	150.000	6.000

### Max. Operating Voltage - UL:

#### Voltage

300 V RMS

**Other Electrical Characteristic 1:** Impedance tested in accordance with ASTM D-4566 Paragraph 48.2, Option 2 using a 75 Ohm Fixed Bridge and Termination.

**Other Electrical Characteristic 2:** RL tested in Accordance with ASTM D-4566 Paragraph 50.3, using a 75 Ohm Fixed Bridge and Termination.

**Other Electrical Characteristic 3:** 100% Sweep tested

### Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	150	32

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
735C12 0081000	1,000 FT	219.000 LB	GRAY		12#25HLDPE/FHDLDPPE SH PVCFRPVC
735C12 0082000	2,000 FT	474.000 LB	GRAY		12#25HLDPE/FHDLDPPE SH PVCFRPVC

Revision Number: 1    Revision Date: 04-15-2008

[www.incom.mx](http://www.incom.mx)    [ventas@incom.mx](mailto:ventas@incom.mx)  
Tel. (55)5243-6900    01800-INCOM-00



LA FERRETERA DE LAS TELECOMUNICACIONES