

# 高周波同軸ケーブル

## 50Ω／75Ω

High-frequency Coaxial Cables 50 Ω/75 Ω

RoHS2  
対応

RoHS2 compliant

## ポリエチレン絶縁編組形高周波同軸ケーブル

Polyethylene insulated braided high-frequency coaxial cables

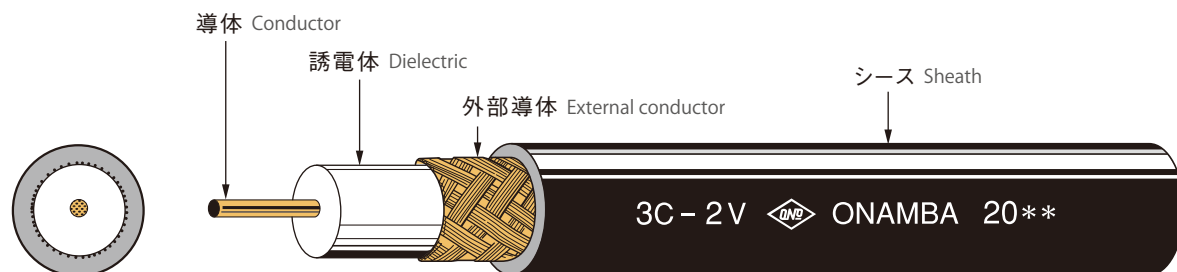
### 用途 Applications

- 高周波機器の接続、内部配線、給電線等に使用されます。又、75Ω系はテレビジョン受信用機器及び関連機器間の接続に使用されます。
- Used for connecting to high-frequency devices, and also for internal wiring, power supply cables, and other applications. The 75 Ω products are also used for connections to television receivers and related devices.

### 特長 Features

- 軟銅線 (AC) の内部導体をポリエチレンで絶縁し、外部導体が軟銅線編組で、シースにビニルを使用したケーブルです。
- 柔軟性がよく、低損失、高遮蔽で、取り扱いが容易です。
- 1.5C-2VS、3C-2VS、5C-2VS及び1.5D-2V、3D-2Vについては、内部導体に撚線を使用しており、屈曲性が高くなります。
- 特性インピーダンス50Ωと75Ωのポリエチレン絶縁編組形高周波同軸ケーブルです。
- These cables consist of an annealed copper (AC) internal conductor that is insulated with polyethylene, and an external conductor of annealed copper braiding with a PVC sheath.
- These products have good flexibility, low loss performance, high shielding performance, and are easy to handle.
- 1.5C-2VS, 3C-2VS, 5C-2VS and 1.5D-2V, and 3D-2V use stranded wires for the internal conductor, for higher bending performance.
- They are polyethylene insulated braided high-frequency coaxial cables with characteristic impedance of 50 Ω or 75 Ω.

### 構造図 Structural diagram



### 表面表示 Surface marking

品名  ONAMBA 西暦年号

- 品名 Product name
- 西暦年号 Calendar year

※RoHS2対応とは、規制対象物質にあたる10物質が含まれていないことを示します。

\*RoHS2 compliant means that the products contain none of the 10 restricted substances.

準拠規格 Compliant standards

準拠規格：JIS C3501 高周波同軸ケーブル  
Conforms to JIS C3501 Radio-frequency coaxial cables.



国内用  
Products for Japan  
機器内用  
Machine internal wiring

## 構造表 Structural table

| 品名<br>Product name | 内部導体 (AC)<br>Internal conductor (AC)                                  |                            | 誘電体<br>Dielectric     |                            | 外部導体 (AC)<br>External conductor (AC) |                                          |                            | シース<br>Sheath         |                                          | 仕上外径<br>Finished<br>outer diameter<br>mm | 概算<br>重量<br>Approximate<br>weight<br>kg/km | (参考値)<br>標準条長<br>(Reference value)<br>Standard length<br>m |
|--------------------|-----------------------------------------------------------------------|----------------------------|-----------------------|----------------------------|--------------------------------------|------------------------------------------|----------------------------|-----------------------|------------------------------------------|------------------------------------------|--------------------------------------------|------------------------------------------------------------|
|                    | 素線数 / 素線径<br>No. of wires /<br>Single wire diameter<br>mm<br>Wires/mm | 外径<br>Outer diameter<br>mm | 厚さ<br>Thickness<br>mm | 外径<br>Outer diameter<br>mm | 素線径<br>Single wire<br>diameter<br>mm | 持数×打数<br>Spindles × Wires<br>本<br>Number | 外径<br>Outer diameter<br>mm | 厚さ<br>Thickness<br>mm | 標準外径<br>Standard<br>outer diameter<br>mm |                                          |                                            |                                                            |
| 3C-2V              | 1/0.5                                                                 | 0.5                        | 1.3                   | 3.1                        | 0.12                                 | 4 × 24                                   | 3.7                        | 0.8                   | 5.3                                      | 5.3 ± 0.5                                | 38                                         | 100                                                        |
| 5C-2V              | 1/0.8                                                                 | 0.8                        | 2.05                  | 4.9                        | 0.12                                 | 7 × 24                                   | 5.5                        | 0.9                   | 7.3                                      | 7.3 ± 0.5                                | 69                                         | 100                                                        |
| 1.5C-2VS           | 7/0.1                                                                 | 0.3                        | 0.7                   | 1.7                        | 0.12                                 | 4 × 16                                   | 2.3                        | 0.35                  | 3.0                                      | 3.0 ± 0.4                                | 15                                         | 200                                                        |
| 3C-2VS             | 7/0.18                                                                | 0.54                       | 1.28                  | 3.1                        | 0.12                                 | 4 × 24                                   | 3.7                        | 0.8                   | 5.3                                      | 5.3 ± 0.5                                | 36                                         | 100                                                        |
| 5C-2VS             | 7/0.26                                                                | 0.78                       | 2.06                  | 4.9                        | 0.12                                 | 7 × 24                                   | 5.5                        | 0.95                  | 7.4                                      | 7.4 ± 0.5                                | 66                                         | 100                                                        |
| 1.5D-2V            | 7/0.18                                                                | 0.54                       | 0.53                  | 1.6                        | 0.1                                  | 5 × 16                                   | 2.1                        | 0.4                   | 2.9                                      | 2.9 ± 0.4                                | 15                                         | 200                                                        |
| 3D-2V              | 7/0.32                                                                | 0.96                       | 1.02                  | 3.0                        | 0.12                                 | 5 × 24                                   | 3.6                        | 0.8                   | 5.2                                      | 5.2 ± 0.5                                | 42                                         | 100                                                        |
| 5D-2V              | 1/1.4                                                                 | 1.4                        | 1.7                   | 4.8                        | 0.12                                 | 7 × 24                                   | 5.4                        | 0.9                   | 7.2                                      | 7.2 ± 0.5                                | 74                                         | 100                                                        |

- 在庫品、受注生産品は予告なく変更する場合もございます。
- In-stock items and made-to-order items are subject to change without notice.

## 特性表 Characteristics table

| 品名<br>Product name | 導体抵抗<br>Conductor resistance<br>(20°C)<br>Ω/km | 試験電圧<br>Withstand voltage<br>(AC)<br>V/1 分間<br>(AC)<br>V/minute | 絶縁抵抗<br>Insulation resistance<br>(20°C)<br>MΩ・km | 静電容量<br>Capacitance<br>1kHz<br>nF/km | 特性<br>インピーダンス<br>Characteristic impedance<br>Ω | 標準減衰量<br>Standard attenuation<br>10MHz<br>dB/km |
|--------------------|------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------|--------------------------------------|------------------------------------------------|-------------------------------------------------|
| 3C-2V              | 91.4                                           | 1,000                                                           | 1,000                                            | 67 ± 4                               | 75 ± 3                                         | 42                                              |
| 5C-2V              | 35.9                                           |                                                                 |                                                  |                                      |                                                | 27                                              |
| 1.5C-2VS           | 340                                            | 1,000                                                           | 1,000                                            | 69 ± 4                               | 75 ± 3                                         | 96                                              |
| 3C-2VS             | 110                                            |                                                                 |                                                  | 67 ± 4                               |                                                | 42                                              |
| 5C-2VS             | 50.2                                           |                                                                 |                                                  | 67 ± 4                               |                                                | 27                                              |
| 1.5D-2V            | 110                                            | 1,000                                                           | 1,000                                            | 104 ± 5                              | 50 ± 2                                         | 85                                              |
| 3D-2V              | 33.3                                           |                                                                 |                                                  | 100 ± 4                              |                                                | 47                                              |
| 5D-2V              | 11.7                                           |                                                                 |                                                  | 100 ± 4                              |                                                | 27                                              |

## シース標準色 Sheath standard colors

50Ω系：灰  
75Ω系：黒 (3C-2V及び5C-2Vにはシース色の白もあります。)

50 Ω products: Gray  
75 Ω products: Black (White sheaths are also available for 3C-2V and 5C-2V.)

## 使用上の注意 Precautions for use

ケーブルキャリア・ロボットアーム等の摺動性及び連続屈曲性を要求される環境下での使用はしないでください。

Do not use these products in cable carriers, robot arms, and other environments where sliding performance and continuous bending performance are required.

同軸  
Coaxial cables

医療・食品用  
Cables for medical care  
and food products  
太陽光用  
Cables for solar  
power generation

環境用  
Environmental  
cables

海外用  
Products for  
Overseas

固定用  
Products for fixed  
applications

可動用  
Products for moving  
applications

資料  
Data

事業展開  
Oriamba  
business areas

事業拠点  
Oriamba  
business sites