

JIS SERIES COAXIAL CABLE 2.5C-2V, 3C-2V, 5C-2V, 7C-2V

High density shielding cable specially designed and manufactured under the USA and Japanese Standard

These series of coaxial cable are specially designed and manufactured to be use in the noisy area (high interference) and longer run system design. They are the most suited to CCTV system where the signal interruption degrading the system is not acceptable. The high density shielding (>95% coverage) of the cable clears up EMI/RF interference. Especially. In 0-50 MHz frequency region which mostly affected by, for example, the transient signal generated by the motor starts up, electrical appliance emission and other sources leading the interference to the system. Moreover, they are also suitable to use in the CATV, MATV, Satellite TVRO/Internet and Telecomm interconnect system. The signal attenuation meets the standard ensuring that it will fall under the designed margin of the power budget.

Applications and Usage

- Home Used TV/Antenna installation
- Closed Circuit TV system (CCTV)
- Telecomm Interconnect
- For communication and signal control systems
- Outdoor/Indoor cable
- HDTV, TV Cable, RF Signal Transmission

Product Highlights

Length: 100M, 300, 500, 1000/Coil

Note: The specifications are subjected to change without prior notice.

Standard

- MIL-C-17F
- MIL-C-17G
- ANSI/TIA-568-C.4



PHYSICAL CONSTRUCTION

| Cable Type | Conductor | Insulation | Shielding | % | Jacket |
|------------|---------------------|---------------|-------------------------------|----|--------------|
| 2.5C-2V | Ø0.40 MM BC | Ø2.60 MM LOPE | Ø0.12 X 6 X 16 BC | 95 | Ø4.00 MM PVC |
| 3C-2V | Ø0.50 MM BC | Ø3.00 MM LOPE | Ø0.12 X 3 X 16 BC | 45 | Ø5.00 MM PVC |
| 3C-2V | Ø0.50 MM BC | Ø3.00 MM LOPE | Ø0.16 X 4 X 16 BC | 60 | Ø5.10 MM PVC |
| 3C-2V | Ø0.50 MM BC | Ø3.00 MM LOPE | Ø0.12 X 7 X 16 BC | 95 | Ø5.20 MM PVC |
| 5C-2V | Ø0.80 MM BC | Ø4.90 MM LOPE | Ø0.12 X 7 X 24 BC | 95 | Ø7.40 MM PVC |
| 5C-2V | Ø0.12 MM X 35 BC | Ø4.90 MM LOPE | AUP-Foil Ø0.12 X 7 X 24 BC | 95 | Ø7.40 MM PVC |
| 7C-2V | Ø1.50 MM BC | Ø7.20 MM LOPE | Ø0.16 X 8 X 24 BC | 95 | 10.30 MM PVC |

Note: BC = Bare Copper, LOPE = Low Density Polyethylene, PVC = Polyvinylchloride

NOMINAL ATTENUATION (DB/100M)

| Cable Type | Nominal Impedance | Dielectric Constant | Nominal Attenuation (dBikm) At 10 MHz |
|------------|-------------------|---------------------|---------------------------------------|
| 2.5C-2V | 75 ± 3 Ohms | 2.2-2.5 (1-10 MHz) | 52.00 |
| 3C-2V | 75 ± 3 Ohms | 2.2-2.5 (1-10 MHz) | 42.00 |
| 5C-2V | 75 ± 3 Ohms | 2.2-2.5 (1-10 MHz) | 27.00 |
| 7C-2V | 75 ± 3 Ohms | 2.2-2.5 (1-10 MHz) | 22.00 |

ORDERING PART NUMBER.

| Part No. | Descriptions |
|------------|---------------------------|
| JIS25C2V95 | 2.5C-2V Cable, 95% Shield |
| JIS3C2V45 | 3C-2V Cable, 45% Shield |
| JIS3C2V60 | 3C-2V Cable, 60% Shield |
| JIS3C2V95 | 3C-2V Cable, 95% Shield |
| JIS5C2V45 | 5C-2V Cable, 45% Shield |
| JIS5C2V95 | 5C-2V, 95% Shield |
| JIS7C2V95 | 7C-2V, 95% Shield |