

JIS COAXIAL CABLE

Radio Applications



Interior lines for communication, Wireless equipment for personal radio, MCA, AVM, and amateur radio, Antenna feeder line, Wiring between or inside high frequency transmission units.

50 Ohm PE Series

Standard Construction:

Solid or stranded, copper or copper covered steel conductor, PE insulation, bare copper braid Shield 95% coverage.

| Type | Conductor | | Insulation | | Shield | Jacket | | Nom. Imp. (Ω) | Nom. Capa. (1kHz) (pF/m) |
|--------|-----------|-------|------------|-------|--------------|-----------|-------|------------------------|--------------------------|
| | No/mm | Mtrl. | O.D. (mm) | Mtrl. | | O.D. (mm) | Mtrl. | | |
| 3D-2V | 1/0.9 | BC | 3.0 | PE | 95% BC Braid | 5.3 | PVC | 50 | 100 |
| 5D-2V | 1/1.4 | BC | 4.8 | PE | 95% BC Braid | 7.3 | PVC | 50 | 100 |
| 8D-2V | 1/2.3 | BC | 7.9 | PE | 95% BC Braid | 11.1 | PVC | 50 | 100 |
| 10D-2V | 1/2.9 | BC | 9.7 | PE | 95% BC Braid | 13.1 | PVC | 50 | 100 |

Standard Attenuation @ 20°C (dB/km)

| Frequency | 3D – 2V | 5D – 2V | 8D – 2V | 10D – 2V |
|-----------|---------|---------|---------|----------|
| 1 MHz | 12 | 7 | 6 | 4 |
| 10 MHz | 41 | 27 | 20 | 14 |
| 30 MHz | 75 | 46 | 35 | 24 |
| 200 MHz | 205 | 125 | 95 | 65 |

