

## 8D-2V 50Ω



### Construction:

- **Inner Conductor** : multi copper wire stranded, diameter  $2,38 \pm 0,05$  mm,  $7 \times 0.8$  mm
- **Insulation (dielectric)**: solid polyethylene, external Diameter 7.9 mm
- **External conductor**: Copper wires braid, 65% optical covering
- **Sheath**: PVC, external diameter  $11.4 \pm 0,2$  mm
- **sheath colour**: Black

### Technical Data :

#### Temperature range:

- during installation:  $-15$  °C up to  $+55$  °C
- operating temp.:  $-40$  °C up to  $+85$  °C

#### Min. inner bending radius:

- without load: 5D (57 mm)
- under load: 10D (114 mm)

Behavior in fire: IEC 60332-1

Maximal tensile strength: 850 N

Cable weight: 183 kg/km

Design Standard

JIS - C- 3501

### Electrical Data:

Conductor DC Resistance @20°C		[Ω/km]	5.13
Insulation resistance		[MΩ/km]	>1000
Impedence	ZL	[Ohm]	50 +/-3
Capacitance	C	[PF/m]	100+/-4
Rel. velocity ratio	V rel	%	85
Test voltage		[kV]	1.0

### Application:

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.

Frequency MHz	Attenuation at 20 °C dB/Km
1	6
10	20
30	35
200	95

