

7C-2V 75Ω



Construction:

- **Inner Conductor** : multi copper wire stranded, diameter $1,17 \pm 0,05$ mm, $7 \times 0,4$ mm
- **Insulation (dielectric)**: solid polyethylene, external Diameter 7.3 mm
- **External conductor**: Copper wires braid, 65% optical covering
- **Sheath**: PVC, external diameter $10.4 \pm 0,2$ 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 (51 mm)
- under load: 10D (102 mm)

Behavior in fire: IEC 60332-1

Maximal tensile strength: 450 N

Cable weight: 143 kg/km

Design Standard

JIS - C- 3501

Electrical Data:

Conductor DC Resistance @20°C		[Ω/km]	20.7
Insulation resistance		[MΩ/km]	>1000
Impedence	ZL	[Ohm]	75 +/-3
Capacitance	C	[PF/m]	67+/-4
Rel. velocity ratio	V rel	%	85
Test voltage		[kV]	1.0
Return Loss:			20dB min (5-200MHz)

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	Attenuation at 20 °C
MHz	dB/100m
1	0.55
10	1.8
30	3.2
200	9.00

