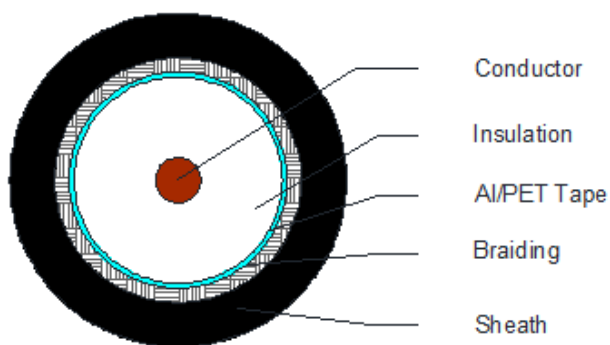


C1149

## Applications

Coaxial cable used for distribution system.

## Cross section Drawing



## Design

Unit	Properties
Inner conductor	Solid Bare Copper
Dielectric	Foamed Polyethylene
Screen	Aluminum/Polyester Tape
Braid	Tinned copper wire
Sheath	Polyvinyl Chloride Standard colour: Black
Standard Put Up Length	305metres

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

## C1149

### Physical Characteristics

Part number	C1149
Nom. Diameter Conductor (mm)	1.13
Nom. Diameter Dielectric (mm)	4.85
Nom. Braiding Coverage (%)	95
Nom. Sheath thickness (mm)	0.89
Nom. Overall Diameter (mm)	6.7
Min. Bend Radius (install)(mm)	67
Cable Weight (kg/km)	48
Operating Temperature (°C)	-15 to 75

### Electrical Characteristics at 20°C

Part number	C1149
Impedance(Ohm)	75
Max. DC Resistance Conductor ( $\Omega$ /km)	18.0
Max. Loop Resistance ( $\Omega$ /km)	30.5
Nominal Capacitance (pF/m)	60
Min. Shielding effectiveness (dB)	90
Velocity of Propagation (%)	85

### Max. Attenuation in dB/100m

MHz	5	50	100	200	400	600	800	862	950	1350	1750	2150	3000
Max. Value	1.5	4.3	5.9	8.4	12.0	14.6	17.5	18.3	19.2	23.3	27.0	30.6	36.8

### Min. Return Loss in dB/100m

MHz	5 to 30	30 to 470	470 to 862	862 to 1000
Min. Value	23	23	20	18

### Reference Standards

(BS) EN 50290-2	IEC 61196
(BS) EN 50117	RoHS directives