

# Triple shielded Coax PVC Cable

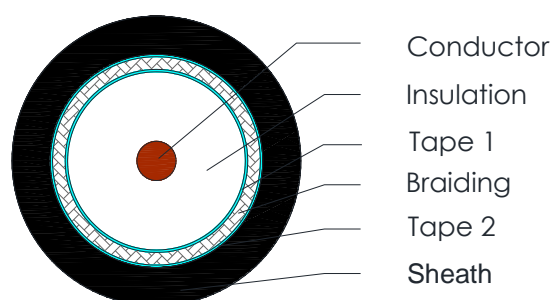


C4817

## Applications

coaxial cable for the in-house installation. for the use in SAT-IF and terrestrial distribution systems.

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Copper Clad Steel (CCS)
Dielectric	Foamed Polyethylene
Tape1	Al/PET/Al Tape Bonded
Braid	Bare Copper wire
Tape 2	Al/PET/Al Tape
Sheath	Polyvinyl Chloride (PVC) Standard Colour: White
Standard Put Up Length	305 or 500 metres

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

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### Physical Characteristics

Part Number	C4817
Nom. Diameter Conductor(mm)	1.02
Nom. Diameter Dielectric	4.7
Tape1 Al/PET/Al Coverage (%)	100
Coverage Braid (%)	80
Tape2 Al/PET/Al Coverage (%)	100
Nom. Overall Diameter(mm)	6.9
Operating Temperature (°C)	-20 to 70
Min. Bend Radius (single/multiple)(mm)	70/140
Max. Permissible force (N)	< 600
Total weight (kg/km)	41

### Electrical Characteristics at 20°C

Part Number	C4817
Impedance(Ohm)	75 ± 3
Max. DC Resistance Conductor ( $\Omega$ /km)	100
Max. DC Resistance Screen ( $\Omega$ /km)	24
Velocity of Propagation (%)	82
Min. Return Loss 5 to 470 MHz (dB)	30
Min. Return Loss 470 to 1000 MHz (dB)	28
Min. Return Loss 1000 to 2000 MHz (dB)	24
Min. Return Loss 2000 to 3000 MHz (dB)	17
Coupling resistance 5 to 30 MHz ( $m\Omega$ /m)	2.2
Min. Screening Attenuation after flexing 30 to 1000 MHz (dB)	110
Min. Screening Attenuation after flexing 1000 to 2000 MHz (dB)	100
Min. Screening Attenuation after flexing 2000 to 3000 MHz (dB)	95
Rated Current (A)	8.0
Velocity Ratio (%)	83

### Nominal Attenuation in dB/100m

MHz	5	50	100	400	860	1000	1400	2000	2400	3000
<b>RG-6</b>	2.3	4.8	6.6	13.0	18.9	21.2	25.5	30.5	32.8	38.0

### Reference Standards

(BS) EN 50290-2	IEC 60332-1-2
EN 50575	EN 50117 and EN 50117-2-4
RoHS directives	