RG6 COAXIAL CABLE
STANDARD PLUS GRADE With POWER WIRE

Communications Cable | CATV Cable

PART NUMBER	CB-0109SW+	CB-0109SPW+	CB-0109SMW+
INNER CONDUCTOR	Copper Covered Steel	Copper Covered Steel	Copper Covered Steel
DIAMETER	1.02 mm (18AWG)	1.02 mm (18AWG)	1.02 mm (18AWG)
DIELECTRIC	Foamed Polyethylene	Foamed Polyethylene	Foamed Polyethylene
DIAMETER	4.57 mm	4.57 mm	4.57 mm
SHIELD TAPE	AL/P-Foil	AL/P-Foil	AL/P-Foil
100% COVERAGE	(Bonded)	(Bonded)	(Bonded)
BRAID WIRE	Aluminum	Aluminum	Aluminum
DIAMETER	0.16 mm x 144 wire	0.16 mm x 144 wire	0.16 mm x 144 wire
SHIELD COVERAGE	96%	96%	96%
NON-HYGROSCOPIC TAPE	NA	PET Foil	PET Foil
JACKET	Black PVC or Black LSZH	Black PE	Black PE
DIAMETER	6.86 mm	6.86 mm	6.86 mm
	(11.56 mm with Power Wire)	(11.56 mm with Power Wire)	(13.86 mm with Messenger & Power Wire)
POWER WIRE	Stranded Bare Copper	Stranded Bare Copper	Stranded Bare Copper
DIAMETER	2 x 1.02 mm (18AWG)	2 x 1.02 mm (18AWG)	2 x 1.02 mm (18AWG)
MESSENGER WIRE	N/A	N/A	Galvanize Steel 1.3 mm PE 2.30 mm
SCREENING	VHF 80 dB	VHF 80 dB	VHF 80 dB
FACTOR AT	UHF 75 dB	UHF 75 dB	UHF 75 dB

APPLICATION *CCTV, CATV, MATV, HDTV, TV Cable, RF Signal Transmission* : **STANDARD** *MIL-C-17F, MIL-C-17G, ANSI / TIA-568-C.4*

Frequency	Attenuation
MHz	dB/100m
1	1.00
5	1.60
10	2.30
50	4.60
100	6.50
200	9.50
300	11.30
400	13.10
460	15.00
700	17.20
870	19.50
1000	21.30
1750	29.00
2000	32.00
2500	35.10
3000	39.00

Return Loss	
5 - 470 MHz	>25.00 dB
470 - 1000 MHz	>23.00 dB
1000 - 2000 MHz	>20.00 dB
Impedance	75 Ohm
Capacitance	52 pF ± 3 /m
Velocity Ratio	82%
DCR Inner Conductor	78 Ohm/km
DCR Shields	17.5 Ohm/km
Minimum Bending Radius	
Loaded (Installation)	10 x Cable OD
Unloaded (Operation)	4 x Cable OD
Tensile Strength	
Maximum Pulling Tension	470 N
Temperature	
Storage/Operation	-20 °C to 75 °C
Installation	0 °C to 60 °C
Jacket Sparker	4000 VAC
Dielectric Strength	2500 VAC

ORDERING INFORMATION

PART NO.	DESCRIPTION	PAGKAGE	JACKET COLOR
CB-0109SW+	RG6 CABLE, STANDARD PLUS GRADE, SHIELD 96%, with 2x Power Wire, Indoor	500m / WR	BLACK PVC
CB-0109SPW+	RG6 CABLE, STANDARD PLUS GRADE, SHIELD 96%, with 2x Power Wire, Outdoor	500m / WR	BLACK PE
CB-0109SMW+	RG6 CABLE, STANDARD PLUS GRADE, SHIELD 96%, with Messenger & 2x Power Wire	500m / WR	BLACK PE
CB-0109SWLSZH+	RG6 CABLE, STANDARD PLUS GRADE, SHIELD 96%, with 2x Power Wire, Indoor, LSZH	500m / WR	BLACK LSZH

*WR = Wooden Reel