



# RG6 COAXIAL CABLE

## ADVANCE GRADE with POWER WIRE



PART NUMBER	CB-0106AWA	CB-0106APWA	CB-0106AMWA
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	0.12 mm x 144 wire	0.12 mm x 144 wire	0.12 mm x 144 wire
SHIELD COVERAGE	95%	95%	95%
NON-HYGROSCOPIC TAPE	NA	PET Foil	PET Foil
JACKET	Black PVC or Black LSZH	Black PE	Black PE
DIAMETER	6.86 mm (13.0 mm with Power Wire)	6.86 mm (13.0 mm with Power Wire)	6.86 mm (17.0 mm with Messenger & Power Wire)
POWER WIRE	Stranded Copper Clad Aluminum	Stranded Copper Clad Aluminum	Stranded Copper Clad Aluminum
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	Return Loss	
MHz	dB/100m		
1	1.00	5 - 470 MHz	>25.00 dB
5	1.60	470 - 1000 MHz	>23.00 dB
10	2.30	1000 - 2000 MHz	>20.00 dB
50	4.60	<b>Impedance</b>	75 Ohm
100	6.50	<b>Capacitance</b>	52 pF ± 3 /m
200	9.50	<b>Velocity Ratio</b>	82%
300	11.30	<b>DCR Inner Conductor</b>	92 Ohm/km
400	13.10	<b>DCR Shields</b>	29 Ohm/km
460	15.00	<b>Minimum Bending Radius</b>	
700	17.20	Loaded (Installation)	10 x Cable OD
870	19.50	Unloaded (Operation)	4 x Cable OD
1000	21.30	<b>Tensile Strength</b>	
1750	29.00	Maximum Pulling Tension	470 N
2000	32.00	<b>Temperature</b>	
2500	35.10	Storage/Operation	-20 °C to 75 °C
3000	39.00	Installation	0 °C to 60 °C
		<b>Jacket Sparker</b>	4000 VAC
		<b>Dielectric Strength</b>	2500 VAC

### ORDERING INFORMATION

PART NO.	DESCRIPTION	PACKAGE	JACKET COLOR
CB-0106AWA	RG6 CABLE, ADVANCE GRADE, SHIELD 95%, with 2x Power Wire, Indoor	500m / WR	BLACK PVC
CB-0106APWA	RG6 CABLE, ADVANCE GRADE, SHIELD 95%, with 2x Power Wire, Outdoor	500m / WR	BLACK PE
CB-0106AMWA	RG6 CABLE, ADVANCE GRADE, SHIELD 95%, with Messenger & 2x Power Wire	500m / WR	BLACK PE