

# RG6 18AWG 3GHz CCS DUAL SHIELD 60% 40% AL BRAID CMP / CATV/P

**PART NO. 6CCSCMPRx**

## DESCRIPTION

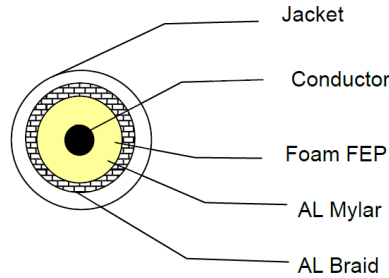
- This Cable has 18 AWG bare copper center conductor surrounded by a Gas injected Foam FEP dielectric, FR PVC Jacket. Use for CL1, CL2, CM, CMP, CMX and CMG installations. Sweep-tested to 3GHz to ensure performance.

## APPLICATIONS

- Indoor for CCTV, MATV, and SMATV
- Outdoor for Digital Satellite Reception

## STANDARD COMPLIANCES

- ANSI/TIA 568-C.2
- NEC Article 800 & 820 Compliance
- ANSI/TIA 862 (Building Automation)
- ISO/IEC 11801 Ed. 2.0 (Class EI)
- ICEA 8-102-700 (Category 6 or 5E)
- REACH Compliant
- CPR Compliant (Fully Comply to 305/2011 & EN 50575:2014-09)
- RoHS Compliant Directive 2002/95/EG



## PHYSICAL PROPERTIES

Conductor	Material	Solid Copper Covered Steel
	Nominal Outside Diameter	1.02 mm (± 0.005)
Insulation	Material	Gas Injected Foam FEP
	Diameter	4.32 mm (± 0.05)
Construction		Plenum/ CMP/Dual Shield
Wrapped AL Mylar	Filler	100%
	Overlap	25%
Braid	Material	Aluminum Magnesium Wire
	Size	8*0.16 ± 0.008mm *16
Surface Printing	Letter Height	3.0 ± 0.3 mm
	Color	White/Black
Packing Length		305 ± 1.5m
Construction		Plenum/ CMP/Dual Shield
Jacket	Material	Flame Retardant PVC
	Thickness	0.40 ± 0.05 mm
	External O.D.	6.0 ± 0.15 mm
	Surface	Clean, Frap, Satiation

## ELECTRICAL CHARACTERISTICS

Sparker Test		2000V
Characteristic Impedance		75 ± 3 ohm
Velocity of Propagation		84% NOM
Dielectric Strength Conductor To Shield		2500VDC
Tensile Strength	PVC	min 2000 psi
	Aged	min 75%
Elongation	PVC Unaged	100%
	Aged	65%
Heat Shock Test		No Cracking
Cold Bend Test		No Cracking
Flame Test		CSA FT6 or UL 910
Temperature Range		-45 ~ 60°C



1000' Wood Reel  
Weight: 33 lbs.

## AVAILABLE RG6/U (PART NUMBERS)

PVC	Plenum	Direct Burial
6CCSCMR5B5x	<b>6CCSCMPRx</b>	6OUTWCCSRB
6CCSCMRxx		
6SCCMR95RB		
6DCCSCMRRB		
6182SCCMRRB		

\*All values in this specification are nominal and are subjective to tolerances of +/- 10 to 15%. It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice\*

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**ELECTRICAL PERFORMANCE**
**PART NO.6CCSCMPRx**

FREQUENCY (MHz)	ATT (dB/1000ft) NOM	ATT (dB/100m) NOM
1	0.4	1.31
10	0.9	2.95
50	1.6	5.25
100	2.2	7.22
200	3.0	9.84
400	4.33	14.21
700	6.25	20.51
900	7.3	23.95
1000	7.9	25.92
1200	8.4	27.56
1450	9.7	31.82
1800	11.00	36.09
2200	12.00	39.37
3000	13.8	45.28

AVAILABLE JACKET COLORS		
STANDARD	WHITE	BLACK
SPECIAL	Per Customer Request*	

**JACKETS ABBREVIATION**

Black	B	Last alphabetical character of each part number indicates the color code that the Jacket is available in. For example Part # 6CMR244Bx ("x" indicates all the colors to the left are available for this product.
White	W	
Gray	G	
Blue	O	
Yellow	Y	
Green	V	
Orange	OR	
Purple	P	
Red	R	
Pink	PI	

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