



BROADCASTING, SDI & CATV RG6 COAXIAL CABLES (100 ULTRA SERIES)

PART NO.: RG6U/210

DESCRIPTION: Broadcasting, CATV, SDI, Copper Pro RG6 Coaxial Cable, 95% Dual Shielded CCAU, CMP Jacket

The KAYBE RG6 Coaxial Cables (100 ULTRA Series) are specially designed for broadcasting, SDI, and CATV applications, delivering high-performance signal transmission with minimal loss. Built with premium materials and advanced shielding, the KAYBE cable ensures excellent clarity and stability for high-frequency video and data signals. Ideal for professional-grade installations, the 100 ULTRA Series offers durability, reliability, and consistent performance in demanding environments.



KEY ADVANTAGES

1. Premium UV Rated Outdoor Cable for CATV, CCTV & Broadband Applications
2. Tested and Verified for Long Range Signal Frequency and Low Loss
3. Dual Shielded High Coverage for Less Interference
4. Approved by Consultants & Governments Worldwide

CONSTRUCTION DATA SHEET

Operating Temperature	—40°C TO 70°C
CONDUCTOR	
Cond. Material	Bare Copper
No. of Strands	Solid conductor
Conductor (mm)	1.02mm
INSULATION	
Material	Physical Foamed Polyethylene
Color	White
Diameter (mm)	4.80 ± 0.10 mm
SHIELDING	
Shielding Foil Material	Bonded Copper Al Foil
Foil Overlap	100%
Shield Coverage	90% AL MG
OUTER JACKET	
Material	UL-CM GRADE PVC
Thickness (mm)	0.76 mm (Nominal)
Diameter (mm)	6.80 ± 0.10 mm
Color	Black (Matte finish)
PRINT SHEATH	KAYBE India (RG6U210) 100% Copper Coaxial cable for CATV/SMATV 001..305M
PACKAGING	305 Meters of wooden reel/box

ELECTRICAL PARAMETERS

Impedance (Ohms)	77 ± 3 Ω
DC Resistance Inner Conductor - Ohms/km	102 Ω/KM
DC Resistance Shield Conductor - Ohms/km	30 Ω/KM
Velocity of Propagation	82%
Capacity	54 ± 3 pF/m

ORDERING INFORMATION AS PER FOLLOWS

PART NO	COLOR	LENGTH	PACKAGING	TYPE
RG6U/210	Black/White	305M/1000FT	1 Reel/Box	CMP Jacket
RG6U/210-100	Black/White	100Y/300FT	6 Reels/Box	CMP Jacket

TECHNICAL PROPERTIES

SCREENING ATTENUATION DB MINIMUM	
30-1000 MHz	75dB
2000-3000 MHz	55dB
RETURN LOSS STRUCTURAL, DB MINIMUM	
5-1002 MHz	20dB
3000 MHz	14dB
ATTENUATION @ 20°C (DB/100M) MAXIMUM	
5 MHz	2.90
55 MHz	5.25
211 MHz	10.00
450 MHz	14.43
600 MHz	16.73
870 MHz	20.04
1000 MHz	21.49
3000 MHz	36.80

OTHER PRODUCTS INCLUDE

RG59 COAXIAL CABLES BCCS	RG59 COAXIAL CABLES + POWER CCS	RG59 COAXIAL CABLES CU	RG59 COPPER COAXIAL CABLES + POWER CU
RG59 COPPER COAXIAL CABLES + POWER CCS	RG6 COAXIAL CABLES CCS 3GHZ	OUTDOOR GRADE RG6 COAXIAL CABLE	RG11 INDUSTRIAL COAXIAL CABLES