

TECHNICAL DATA SHEET

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COAXIAL CABLE CB21177-78 and CB21824-25

**RoHS
Compliant**

Part Number	Description	Packaging
CB21177	COAX CABLE RG6U BLACK 100M	100M/cardboard reel
CB21178	COAX CABLE RG6U WHITE 100M	100M/cardboard reel
CB21824	COAX CABLE RG6U BLACK 250M	250M/cardboard reel
CB21825	COAX CABLE RG6U BLACK 250M	250M/cardboard reel

IEC60332-1-2

Construction		
Conductor	Material	Copper clad steel
	Nom O.D. (mm):	1.02±0.01mm
Insulation	Material	Foam PE
	Diameter:	4.57±0.1mm
	Colour	Pair 1: Blue and White/Blue
		Pair 2: Orange and White/Orange
		Pair 3: Green and White/Green
		Pair 4: Brown and White/Brown
Screen:		AL.Foil
Braid:	Material	AL/MG
	Size	16X3/0.12±0.003
Sheath:	Material	PVC
	External O.D.	6.5±0.2mm
	Colour:	Black or White

Characteristics at 20°C

Conductor resistance:	≤118.0Ω/km
Insulation resistance:	≥5000MΩ*km
Testing voltage:	wire/wire/screen 50Hz 1min=1.5KV
Impedance:	75±3 Ω at 200Mhz
Capacitance:	53±3 pF/m
Return Loss:	≥20dB
Permissible temperature:	-10°C----70°C

Attenuation

Frequency	50	100	200	800	1000
ATT dB/100m	9.8	11	12.5	18.5	22.5



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Technical Performance (FLUKE Link 90m±3m):

Frequency	RL	ATT	NEXT	DELAY	PSNEXT	ELFEXT	PSELFEX
MHz	≥dB	≤dB	≥dB	≤ns	≥dB	≥dB	≥dTB
1	20.0	2.0	65.3	570.00	62.3	64.0	61.0
4	23.0	4.1	56.3	552.00	53.3	52.0	49.0
8	24.5	5.8	51.8	546.73	48.8	45.9	42.9
10	25.0	6.5	50.3	545.38	47.3	44.0	41.0
16	25.0	8.2	47.2	543.00	44.4	39.9	36.9
20	25.0	9.3	45.8	542.05	42.8	38.0	35.0
25	24.3	10.4	44.3	541.20	41.3	35.8	33.0
31.25	23.6	11.7	42.9	540.44	39.9	34.1	31.1
62.5	21.5	17.0	38.4	538.55	35.4	28.1	25.1
100	20.1	22.0	35.3	537.60	32.3	24.0	21.0

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