

Commtech Trading Ltd

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NETWORK CABLE 5 CCA PE BLACK 305M - CBCCAC5PEBLK305M



Application:

The CCA network cables are a budget version of normal Cat 5e UTP cable, they are also designed to support horizontal networking applications over channel over shorter distances, but not recommended for POE use. This PE sheathed cable is suitable for outdoor use.

Standards:

RoHS Compliant

Construction:

Description:	NETWORK CABLE 5 CCA PE BLACK 305M		
Conductor:	Material:	Solid Copper Clad Aluminium	
	Nom. O.D. (mm):	0.50±0.015mm	
Insulation:	Material :	HDPE	
	Diameter:	0.90±0.02mm	
	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	
PET	Yes		
Rip cord:	Yes		
Sheath:	Material	PE	
	Thickness	0.50±0.05 mm	
	External O.D.	5.2±0.3 mm	
	Colour:	Black	
Packaging:	305M/pull box		

Dimensions and images may differ from those shown

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Characteristics at 20°C

Extern Sheath	Before Aging	Tensile Strength (Mpa):	≥10.0
		Elongation (%):	≥350
Physical Properties	Aging Period (°C×hrs):	100°C×24h×10d	
	After Aging	Elongation (%):	≥300
	Cold bend (-20±2°C×4h)	No visible cracks	
Electrical Characteristics	1.0-100.0MHz, impedance (Ω)	100±15	
	1.0-100.0MHz, Delay Skew (ns/100m)	≤45	
	DC Resistance (Ω/100m)	≤14.5	

Technical Performance(FLUKE Link 80m±3m max.):

Frequency	RL	ATT	NEXT	DLEAY	PSNEXT	ELFEXT	PSELFEX
MHz	≥dB	≤dB	≥dB	≤ns	≥dB	≥dB	≥dB
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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