

TECHNICAL DATA SHEET

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NETWORK CABLE 5 CCA PVC CB21180

**RoHS
Compliant**

Construction			
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	
Rip cord:		Yes	
Sheath	Material	PE	
	Thickness	0.50±0.05 mm	
	External O.D.	5.2±0.3 mm	
	Colour:	Black	

Characteristics at 20°C

Sheath Physical Properties	Before Aging	Tensile Strength (Mpa): ≥10.0
		Elongation (%): ≥350
	Aging Period (°C×hrs):	100°C×24h×7d
	After Aging	Tensile Strength (Mpa): ≥12.5
		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



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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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