

# TECHNICAL DATA SHEET

**PRO-ELEC**

## NETWORK CABLE 5 CCA PVC CB21179

**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	PVC	
	Thickness	0.50±0.05 mm	
	External O.D.	5.0±0.3 mm	
	Colour:	Grey	

### Characteristics at 20°C

Sheath Physical Properties	Before Aging	Tensile Strength (Mpa): ≥13.5
		Elongation (%): ≥150
	Aging Period (°C×hrs):	100°C×24h×7d
	After Aging	Tensile Strength (Mpa): ≥12.5
		Elongation (%): ≥125
	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



**Important Notice :** This data sheet and its contents (the "Information") belong to pro-ELEC. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but pro-ELEC assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where pro-ELEC was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict pro-ELEC's liability for death or personal injury resulting from its negligence.

**PRO-ELEC**

# TECHNICAL DATA SHEET

**PRO-ELEC**

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

**PRO-ELEC**