ODROK CAT6A DATA CABLE

FEATURES

- 305m (1000') Smart Reel
- UTP 4 Pair High Performance Network Cable
- Bare Solid Copper Conductor
- ACMA/ACA (A-Tick) Approved N1107
- Conforms to Australian Standard AS/ACIF S008:2020
- RoHS complied PVC

SPECIFICATIONS

Conductor
Material: Solid copper
AWG: 0.565mm ±0.005
Insulation
Material: HDPE
Diameter: 1.02mm ±0.0mm
Sheath
Thickness: 0.70mm±0.05
External: O.D. 7.1mm±0.5
Material: PVC (RoHS Compliant)
Colour: Blue RAL5012
Surface Printing
Letter height 3.0±0.3mm
Color Black
Print error & Space ≤±0.5%, 1m
Core Color
Colour: Blue,White/Blue –
Orange,White/Orange –
Green,White/Green –
Brown, White/Brown.
Plastic Separator: OD 4.5mm
nominal thickness: 0.45mm
Packaging
Carton Dimensions: 42 x 42 x 21cm
Packing Length: 305m±1.5
Rip-cord: Yes
Drain wire: No
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 ×4 °C h) 8×Cable O.D. No visible cracks
Electrical Characteristics (20°C)
Impedance(Ω) 1.0-250.0MHz 100±15
251.0-500.0MHz 100±22
1.0-500.0MHz Delay Skew (ns/100m) ≤45
DC Resistance (Ω/100m) max 9.38
DC Conductor Resistance Unbalance (%) max 5.0

Technical Performance (100m)							
MHz	RL (≥dB)	ATT(≤d-B/100m)	NEXT (≥dB)	Delay (≤ns)	PSNEXT (≥dB)	ELFEXT (≥dB)	PSELFEXT (≥dB
1	20.0	2.1	74.3	570.00	72.3	67.8	64.8
4	23.0	3.8	65.3	552.00	63.3	55.8	52.8
8	24.5	5.3	60.8	546.70	58.8	49.7	46.7
10	25.0	5.9	59.3	545.4	57.3	47.9	46.7
16	25.0	7.5	56.2	543.00	54.2	43.7	40.7
20	25.0	8.4	54.8	542.1	52.8	41.8	38.8
25	24.3	9.4	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	36.9	19.8	16.8
300	16.8	34.3	37.1	536.1	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	31.8	13.8	10.8