

Cat 5E PE FTP GSWB LSZH Cable

Eland Product Group **A8N****Application**

Horizontal wiring in a local area network (LAN)

Standards

ISO/IEC 11801, TIA/EIA 568B

Conductor

Class 1 solid plain copper

Insulation

HDPE (High Density Polyethylene)

Drain Wire

Tinned copper

Screen

Al-Pet (Aluminium Polyethylene Terephthalate)

Bedding

PE (Polyethylene)

Braiding

GSWB (Galvanised Steel Wire Braid)

Sheath

LSZH (Low Smoke Zero Halogen)

Sheath Colour

Black

Temperature Rating

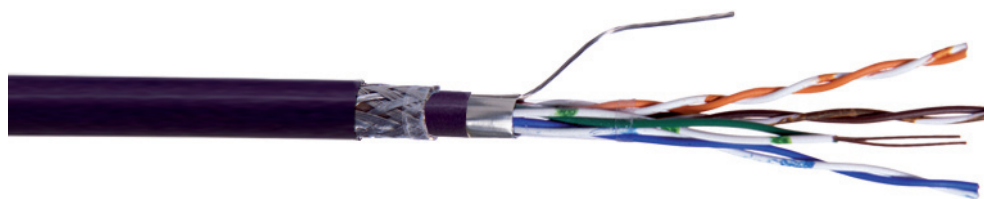
-20°C to +60°C

Minimum Bending Radius

6 x overall diameter

Core Identification

4 Pairs: Blue + White/Blue, Orange + White/Orange, Green + White/Green, Brown + White/Brown

**Dimensions**

Eland Part Number	No. of Pairs (24 AWG)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
A8NCAT5EFTPGSWB	4	1.04	9.4	123.8

Performance Characteristics

Frequency MHz	Attenuation dB/100m	NEXT dB	RL dB	ELFEXT dB	PS-ELFEXT dB/100m	9.00ACR dB
0.722	1.82	67.00	22.60	66.0	63.0	65.00
1.000	2.00	65.30	23.10	63.8	60.8	63.00
4.000	4.10	56.30	23.00	51.7	48.7	51.00
8.000	5.80	51.80	24.50	45.7	42.7	45.00
10.000	6.50	50.30	25.00	43.8	40.8	43.00
16.000	8.20	47.30	25.00	39.7	36.7	37.00
20.000	9.30	45.80	25.00	37.7	34.7	35.00
25.000	10.23	44.30	24.20	35.8	32.8	32.00
31.250	11.71	42.90	23.30	33.9	30.9	29.00
62.500	17.25	38.40	20.70	27.8	24.8	19.00
100.000	22.00	35.30	19.24	23.8	20.8	9.00

Electrical Characteristics

Eland Part Number	Impedance ohms	Max Conductor Resistance ohms/Km
A8NCAT5EFTPGSWB	100±15	<84.4

