

A photograph of a modern building's exterior at night. The building features a grid of windows, some of which are brightly lit from within, creating a warm glow. The windows are framed by dark, possibly metallic, panels. The overall scene is a mix of cool blue and grey tones from the building's facade and the dark sky, contrasted with the warm yellow and orange light from the interior lights.

# ***VARITECH SYSTEMS***

Pole Specifications

# SPECIFICATION SHEET

## GLASSFIBRE POLES

A range of Glassfibre pullwound tubes with high quality surface finish. Glassfibre is widely used reinforcing the material that gives the product the properties like light weight, durability, stiffness and wide range of colours. The nonwoven surface, whilst providing excellent finish, also improves other properties such as UV and chemical resistance.

### PROPERTIES:

<b>Manufacturing Method</b>	Pullwinding
<b>Materials</b>	E-Glassfibres & Polyester Resin
<b>Reinforcement Structure:</b>	UCUMN (75+/- 3 W-%) U = Unidirectional Fibers C = Crosswinded Fibres M = Glassmat N = Nonwoven Material
<b>Surface Finish</b>	Nonwoven Material (Exelens)
<b>Colour</b>	Grey or Red
<b>Joint Material</b>	Glass reinforced polyamide
<b>Screw Material</b>	Stainless Steel (A4)

### GLASS FIBRE ECOLINE™ and ECOLITE™ RANGES

The ECOLINE™ and ECOLITE™ ranges are offered with economy in mind. These poles are constructed of a high quality composite material and finished with an acrylic resin for economy. Available up to 40ft extended length max. ECOLINE™ poles are only available in grey, ECOLITE™ poles are only available in red and the sections are slightly longer.

ECOLINE™					
Code	No. Sections	Minimum Length (mm)	Maximum Length	Achievable Height (ft)	Approximate Weight (Kg)
GXTEL04	2	740	1300mm / 4ft	9	0.42
GXTEL09	2	1500	2800mm / 9ft	14	0.69
GXTEL13	3	1500	4000mm / 13ft	18	1.07
GXTEL17	4	1500	5200mm / 17ft	20	1.48
GXTEL20	4	1800	6000mm / 20ft	23	1.77
GXTEL24	5	1800	7200mm / 24ft	27	2.30
GXTEL27	6	1800	8400mm / 27ft	31	2.85
GXTEL30	7	1800	9400mm / 30ft	34	3.41
GXTEL40	9	2600	11700mm / 38ft	41	4.90

ECOLITE™					
Code	No. Sections	Minimum Length (mm)	Maximum Length (mm)	Achievable Height (ft)	Approximate Weight (Kg)
GXTEL3800	3	1885	3800	16	
GXTEL5200	3	1885	5200	22	1.30
GXTEL6700	4	1885	6700	27	1.70
GXTEL9400	6	1885	9400	34	2.90

## HEAVY DUTY GLASS FIBRE NTECH™ RANGE

The NTECH™ range of poles have proven to be the industry's number one choice for quality, long-lasting poles providing stiffness yet remaining lightweight and easy to extend. These poles are orange in colour and are constructed of a high quality composite material and finished with an epoxy resin providing extra hard wearing capabilities.

Code	No. Sections	Minimum Length (mm)	Maximum Length	Achievable Height (ft)	Approximate Weight (Kg)
GXTEL17-NTech™	4	1500	5200mm / 17ft	20	1.48
GXTEL20-NTech™	4	1800	6000mm / 20ft	23	1.77
GXTEL24-NTech™	5	1800	7200mm / 24ft	27	2.30
GXTEL27-NTech™	6	1800	8400mm / 27ft	31	2.85
GXTEL30-NTech™	7	1800	9400mm / 30ft	34	3.41

## GLASSFIBRE SPARE SECTIONS

Section Code	Description	Weight (kg)	ID (mm)	OD (mm)	Length (mm)	4-Point Bending Strength
GX.SECT.22/1784	Glass Fibre Section 1	0.26	18	22	1784	700
GX.SECT.22/1784-NTECH	Glass Fibre Section 1	0.26	18	22	1784	700
GX.SECT.22/2400	Glass Fibre Section 1	0.36	18	22	2400	700
GX.SECT.26/1735	Glass Fibre Section 2	0.39	23	26	1735	900
GX.SECT.26/1735-NTECH	Glass Fibre Section 2 - NTECH	0.39	23	26	1735	900
GX.SECT.30/1661	Glass Fibre Section 3	0.44	27	30	1661	1000
GX.SECT.30/1661-NTECH	Glass Fibre Section 3 - NTECH	0.44	27	30	1661	1000
GX.SECT.34/1587	Glass Fibre Section 4	0.49	31	34	1587	1400
GX.SECT.34/1587-NTECH	Glass Fibre Section 4 - NTECH	0.49	31	34	1587	1400
GX.SECT.38/1503	Glass Fibre Section 5	0.53	35	38	1503	N/A
GX.SECT.38/1503-NTECH	Glass Fibre Section 5 - NTECH	0.53	35	38	1503	N/A
GX.SECT.42/1419	Glass Fibre Section 6	0.57	39	42	1419	N/A
GX.SECT.42/1419-NTECH	Glass Fibre Section 6 - NTECH	0.57	39	42	1419	N/A
GX.SECT.46/1322	Glass Fibre Section 7	0.58	43	46	1322	N/A
GX.SECT.46/1322-NTECH	Glass Fibre Section 7 - NTECH	0.58	43	46	1322	N/A
GX.SECT.46/1750	Glass Fibre Section 7	0.61	43	46	1750	N/A
GX.SECT.50/1225	Glass Fibre Section 8 for HXTEL35	0.62	47	50	1225	N/A
GX.SECT.50/1225-NTECH	Glass Fibre Section 8 for HXTEL35 - NTECH	0.58	47	50	1225	N/A
GX.SECT.54/1380	Glass Fibre Section 9 for CXTEL45	0.71	51	54	1380	N/A
GX.SECT.54/1935	Section 9 for CXTEL60	0.99	51	54	1935	N/A
GX.SECT.54/2358	GXTEL Section 9 for CXTEL72	1.20	51	54	2358	N/A





# SPECIFICATION SHEET

## CARBONFIBRE POLES

A range Carbonfibre pullwound tubes with high quality surface finish of epoxy resin providing extra hard wearing capabilities, number one choice for durability and longevity. The entire range is supplied with a glass fibre base section to minimise the risk of electrocution should the pole come into contact with overhead power lines.

### PROPERTIES:

<b>Manufacturing Method</b>	Pullwinding
<b>Materials</b>	Carbon Fibres & Vinylester Resin
<b>Reinforcement Structure:</b>	UCUHN (75+/- 3 W-%) U = Unidirectional Fibers C = Crosswinded Fibres M = Carbon Tissue N = Nonwoven Material
<b>Surface Finish</b>	Nonwoven Material (Exelens)
<b>Colour</b>	Black
<b>Joint Material</b>	Glass reinforced polyamide & aluminium
<b>Screw Material</b>	Stainless Steel (A4)

### CARBON COMPOSITE ECOLITE V2™ RANGE

These poles are stiffer and lighter than the ECOLINE™ range. All poles in this range have a black glassfibre base section and all other sections are 80% carbonfibre and 20% glassfibre in a black & grey fishnet pattern.

Code	No. Sections	Minimum Length (mm)	Maximum Length	Achievable Height (ft)	Approximate Weight (Kg)
HXTEL05200-22	4	1500	5200mm / 17ft	21	1.05
HXTEL05200-18	4	1500	5200mm / 17ft	21	1.02
HXTEL06300-22	4	1800	6300mm / 20ft	24	1.25
HXTEL06300-18	4	1800	6300mm / 20ft	24	1.05
HXTEL07650-22	5	1800	7650mm / 26ft	28	1.67
HXTEL07650-18	5	1800	7650mm / 26ft	28	1.47
HXTEL08850-22	6	1800	8850mm / 28ft	32	2.10
HXTEL08850-18	6	1800	8850mm / 28ft	32	1.90
HXTEL09950-22	7	1800	9950mm / 32ft	36	2.50
HXTEL09950-18	7	1800	9950mm / 32ft	36	2.30
HXTEL10900-22	8	1800	10900mm / 35ft	39	2.90
HXTEL10900-18	8	1800	10900mm / 35ft	39	2.70

### FULL CARBONFIBRE RANGE

These poles are made from 100% carbonfibre, except for the glassfibre base section. The pole is renowned for its rigidity and hard wearing capabilities and is black in colour.

Code	No. Sections	Minimum Length (mm)	Maximum Length	Achievable Height (ft)	Approximate Weight (Kg)
CXTEL45	9	2100	14000mm / 45ft	49	4.70
CXTEL60	9	2600	18000mm / 60ft	62	5.95
CXTEL72	9	3030	24000mm / 72ft	74	7.00

## CARBONFIBRE SPARE SECTIONS

Section Code	Description	Weight	ID (mm)	OD (mm)	Length (mm)	4-Point Bending Strength
CX.SECT.18/1870	CXTEL Section 0 Black Short	0.24kg	15	18	1870	750
CX.SECT.22/2021	CXTEL Section 1 Black Short	0.24kg	18	22	2021	650
CX.SECT.22/2571	CXTEL Section 1 Black Long	0.34kg	18	22	2571	650
CX.SECT.22/3014	CXTEL Section 1 for CXTEL72	0.40kg	18	22	3014	650
CX.SECT.26/1992	CXTEL Section 2 Black Short	0.31kg	23	26	1992	900
CX.SECT.26/2542	CXTEL Section 2 Black Long	0.43kg	23	26	2542	900
CX.SECT.26/2965	CXTEL Section 2 for CXTEL72	0.50kg	23	26	2965	900
CX.SECT.30/1918	CXTEL Section 3 Black Short	0.36kg	27	30	1918	1200
CX.SECT.30/2468	CXTEL Section 3 Black Long	0.52kg	27	30	2468	1200
CX.SECT.30/2891	CXTEL Section 3 for CXTEL72	0.61kg	27	30	2891	1200
CX.SECT.34/1844	CXTEL Section 4 Black Short	0.42kg	31	34	1844	2000
CX.SECT.34/2394	CXTEL Section 4 Black Long	0.61kg	31	34	2394	2000
CX.SECT.34/2817	CXTEL Section 4 for CXTEL72	0.72kg	31	34	2817	2000
CX.SECT.38/1760	CXTEL Section 5 Black Short	0.42kg	35	38	1760	N/A
CX.SECT.38/2310	CXTEL Section 5 Black Long	0.62kg	35	38	2310	N/A
CX.SECT.38/2733	CXTEL Section 5 for CXTEL72	0.74kg	35	38	2733	N/A
CX.SECT.42/1676	CXTEL Section 6 Black Short	0.48kg	39	42	1676	N/A
CX.SECT.42/2226	CXTEL Section 6 Black Long	0.72kg	39	42	2226	N/A
CX.SECT.42/2649	CXTEL Section 6 for CXTEL72	0.85kg	39	42	2649	N/A
CX.SECT.46/1579	CXTEL Section 7 Black Short	0.46kg	43	46	1579	N/A
CX.SECT.46/2129	CXTEL Section 7 Black Long	0.71kg	43	46	2129	N/A
CX.SECT.46/2552	CXTEL Section 7 for CXTEL72	0.85kg	43	46	2552	N/A
CX.SECT.50/1482	CXTEL Section 8 Black Short	0.49kg	47	50	1482	N/A
CX.SECT.50/2032	CXTEL Section 8 Black Long	0.76kg	47	50	2032	N/A
CX.SECT.50/2455	CXTEL Section 8 for CXTEL72	0.92kg	47	50	2455	N/A







***VARITECH SYSTEMS***

Unit 3 Fairfax Road  
Heathfield Industrial Estate  
Newton Abbot  
TQ12 6UD, United Kingdom

**T.** 01626 830830

**F.** 01626 830800

**E.** [sales@varitechsystems.co.uk](mailto:sales@varitechsystems.co.uk)

**Visit** [www.streamlinesystems.info](http://www.streamlinesystems.info)

**REF: VPS001-POLE E&OE**