



## Product Description XS612x

<b>Type</b>	Category 6A F/ UTP 4 Pair screened cable
<b>Standards</b>	ISO/IEC11801 & TIA-568-C.2 & UL Subject 444
<b>Applications</b>	Generic cabling systems. Including 10BaseT, 1000BaseT, ATM 10G & Token Ring
This range of screened cables is designed to support Cat 6A link and Channel performance. With internationally defined Physical and Electrical performance up to 500MHz	

## Construction

Conductor	23AWG Soft Plain Copper
Insulation	Foamed PE with colour marking on white cores to ease identification
Colour Code	White-Blue/Blue, White-Orange/Orange, White-Green/Green, White-Brown/Brown
Shield A	Aluminium poly laminate
Outer Jacket	Nominal Diameter 7.5+/- 0.5 mm, PVC
Additional Components	Cable is supplied without ripcord unless specified by the customer Central separator for improved performance.
Printing	Sheath printed Black with Legend

## Mechanical Characteristics

Maximum Pulling Force	100N
Minimum Bending Radius	8*OD
Nominal Weight	60KG/KM
Operating Temperature	-15Deg C ~ +60Deg C
Installation Temperature	+0Deg C ~ +50 Deg C
Fire Performance C	PR B2ca
Product lengths	305m standard, 500m, 1000m on request.

## Electrical Performance

Transmission Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	200	250	500
NEXTA dB/100m	74.3	65.3	59.3	54.3	50.8	47.4	44.4	41.3	38.8	36.3	33.8
Characteristic Impedance	100+/- 15								+/- 22		+/- 25
Attenuation dB/100m 2	1.3	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Return Loss dB/100m 2	0	23	25	27	28	29	30	31	32	33	34
PSNEXTA dB/100m	72.3	63.3	57.3	52.3	48.8	45.4	42.4	39.3	36.8	34.3	31.8
Delay ns/100m	552	547	542	537	532	527	522	517	512	507	502
Skew ns/100m	≤45										

XS6120	305m
XS6121	500m