



## Product Description XS612x

**Type** Category 6A F/ UTP 4 Pair screened cable  
**Standards** ISO/IEC11801 & TIA-568-C.2 & UL Subject 444  
**Applications** 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	65.35	9.35	6.2	54.8	51.9	47.44	4.3	39.8	38.33	3.8
Characteristic Impedance	100+/- 15								+/- 22		+/- 25
Attenuation dB/100m <sup>2</sup>	.13	.85	.97	.58	.4	10.5	15.01	9.1	27.6	31.14	5.3
Return Loss dB/100m <sup>2</sup>	0	23.2	5	25.2	5	23.6	21.52	0.1	18	17.31	5.2
PSNEXTA dB/100m	72.3	63.35	7.35	4.2	52.8	49.9	45.44	2.3	37.8	36.33	1.8
Delay ns/100m	552	547	545.5	43.5	42.5	41.5	40	539.5	38.5	37	535
Skew ns/100m	≤45										

XS6120	305m
XS6121	500m