



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	65.3	59.3	54.3	50.3	47.4	44.4	41.4	38.3	35.3	32.3
Characteristic Impedance	100+/- 15								+/- 22	+/- 25	
Attenuation dB/100m 2	1.3	0.8	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1
Return Loss dB/100m 2	0	23	25	27	29	31	33	35	37	39	41
PSNEXTA dB/100m	72.3	63.3	57.3	52.3	48.3	45.4	42.4	39.4	36.3	33.3	30.3
Delay ns/100m	552	547	542	537	532	527	522	517	512	507	502
Skew ns/100m	≤45										

XS6120	305m
XS6121	500m