



Product Code XS612x B2ca-s1a,d0,a1

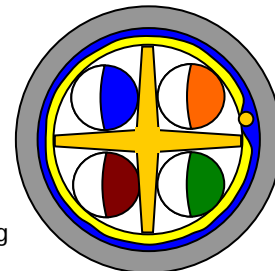
Product Description

Type Category 6A F/UTP 4 Pair screened cable

Standards ISO/IEC11801 & TIA 568.2-D, EN 50399-2022

Applications Generic cabling systems. Including 10Base -T, 100Base -T 1000Base -T ATM & Token Ring

This range of screened cables is designed to support Cat 6A Link and Channel performance.



Construction

Conductor material	23AWG annealed bare copper
Insulation material	polyethylene
Colour code	white/ blue -blue, white/ orange -orange, white/ green -green, white/ brown -brown
Insulation diameter	1.08±0.05mm
Overall screen	aluminium poly laminate& solid tinned copper
Outer jacket	LSZH compound thickness 0.60±0.05mm
Overall diameter	7.8mm±0.5mm
Additional components	Central separator for improved performance
Printing	jacket printed black with legend

Mechanical Characteristics

Maximum pulling force	100 N
Minimum bending radius	8×OD
Nominal weight	58 kg/km
Operating temperature	-20Deg C ~ +75 Deg C
Installation temperature	+0Deg C ~ +50 Deg C
Fire performance	IEC60332-1-2 & EN50399 B2ca-s1a,d0,a1

Electrical Performance

Transmission Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	200	250	500	550
NEXTA dB/100m	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3	33.8	33.2
Characteristic Impedance (Ω)	100±15								±22			
Attenuation dB/100m	2.1	3.8	5.9	7.5	8.4	10.5	15.0	19.1	27.6	31.1	45.3	47.7
Return Loss dB/100m	20	23	25	25	25	23.6	21.5	20.1	18	17.3	15.2	17.3
PSNEXTA dB/100m	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.8	31.2
Delay ns/100m	552	547	545	543	542	541	540	539	538	537	535	536
Skew ns/100m	≤45											

Item	Length
XS6120	305m
XS6121	500m