Product Code

FS61xx

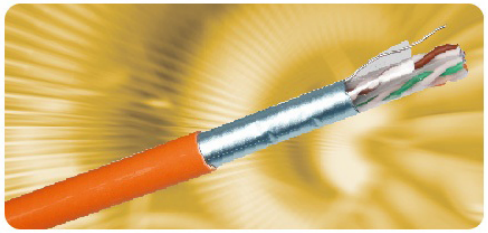
▶Product Description

Type Category 6A F/UTP 4 Pair screened cable

Standards ISO11801 & TIA- 568-C.2,UL Subject 444

Applications Generic cabling systems. Including 10Base -T, 100Base -T 1000Base -T,,ATM 10G & Token Ring
This range of screened cables is designed to support Cat 6A Link and Channel performance.

FS6103	PVC	305m
FS6105	PVC	500m
FS6113	LSZH	305m
FS6115	LSZH	500m



▶Construction

Conductor	24AWG annealed bare copper
Insulation	Polyethylene
Colour Code	White -Blue, White -Orange, White -Green, White -Brown
Overall Screen	Aluminium poly laminate
Outer Jacket Overall Diameter	LSZH or PVC compound upon customer request. Nominal Diameter 7.0 ± 0.5 mm
Additional Components	Cable is supplied without ripcord unless specified by the customer Central separator for improved performance.
Printing	Jacket printed Black with Legend as per customer requirement

▶Mechanical Characteristics

Maximum Pulling Force	100N
Minimum Bending Radius	8*O.D.
Nominal Weight	45KG/KM
Operating Temperature	-15 ~ +60℃
Installation Temperature	+0 ~ +50℃
Fire Performance	PVC: VW1,CMX, CM, CMG, CMR, IEC60332.1 LSZH: IEC60332.1, IEC60332.3 Upon Customer's Request
Cable Length	305m standard Upon Customer's Request

▶Electrical Performance

Transmission Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	200	250	500
NEXT dB	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3	33.8
Characteristic Impedance (Ohm)	100±15								100±22		100±25
Attenuation dB/100m	2.1	3.8	5.9	7.5	8.4	10.5	15	19.1	27.6	31.1	45.3
Return Loss dB	20	23	25	25	25	23.6	21.5	20.1	18	17.3	15.2
PSNEXTA dB	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.8
ACRF dB	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8	13.8
PS ACRF dB	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8	10.8
PS ANEXT dB	92.5	83.5	77.5	74.4	73.0	70.1	65.6	62.5	58.0	56.5	52.0
PS AACRF dB	78.2	66.2	58.2	54.1	52.2	48.3	42.3	38.2	32.2	30.2	24.2
Delay ns/100m	570	552	545	543	542	540	539	538	537	536	536
Skew ns/100m	≤45										