

# Product Code

## FS60xx

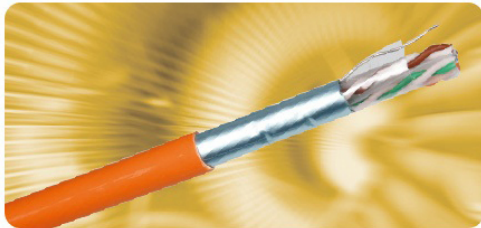
### ► Product Description

**Type** Category 6 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 & Token Ring  
This range of screened cables is designed to support Cat 6 Link and Channel performance.

|        |      |      |
|--------|------|------|
| FS6003 | PVC  | 305m |
| FS6005 | PVC  | 500m |
| FS6013 | LSZH | 305m |
| FS6015 | 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<br>Overall Diameter | LSZH or PVC compound upon customer request.<br>Nominal Diameter 7.0 ± 0.5 mm |
| Additional Components            | Cable is supplied without ripcord unless specified by the customer           |
| Printing                         | Jacket printed Black with Legend as per customer requirement                 |

### ► Mechanical Characteristics

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

### ► Electrical Performance

| Transmission Frequency (MHz)  | 1      | 4    | 10   | 16   | 20   | 31.25 | 62.5 | 100  | 200    | 250  |
|-------------------------------|--------|------|------|------|------|-------|------|------|--------|------|
| NEXT dB                       | 74.3   | 65.3 | 59.3 | 56.2 | 54.8 | 51.9  | 47.4 | 44.3 | 39.8   | 38.3 |
| Characteristic Impedance(Ohm) | 100±15 |      |      |      |      |       |      |      | 100±22 |      |
| Attenuation dB /100m          | 2.1    | 3.8  | 5.9  | 7.5  | 8.4  | 10.7  | 15.4 | 19.8 | 29.0   | 32.8 |
| Return Loss dB                | 20     | 23   | 25   | 25   | 25   | 23.6  | 21.5 | 20.1 | 18     | 17.3 |
| PSNEXT dB                     | 72.3   | 63.3 | 57.3 | 54.2 | 52.8 | 49.9  | 45.4 | 42.3 | 37.8   | 36.3 |
| ACRF dB                       | 67.8   | 55.8 | 47.8 | 43.7 | 41.8 | 37.9  | 31.9 | 27.8 | 21.8   | 19.8 |
| PS ACRF dB                    | 64.8   | 52.8 | 44.8 | 40.7 | 38.8 | 34.9  | 28.9 | 24.8 | 18.8   | 16.8 |
| Delay ns/100m                 | 570    | 552  | 545  | 543  | 542  | 540   | 539  | 538  | 537    | 536  |
| Skew ns/100m                  | ≤45    |      |      |      |      |       |      |      |        |      |