

# F/FTP CAT7

## CABLE CONSTRUCTION (CAT7)

|                  |                         |
|------------------|-------------------------|
| CENTER CONDUCTOR | 0.58mm copper*2*4 pairs |
| DIELECTRIC       | 1.350±0.05mm PE         |
| INNER SCREENING  | ALUMINUM FOIL           |
| NOM.THICK        | 0.6±0.05mm              |
| NOM.OD(MM)       | 8.0±0.5mm               |
|                  | PVC/LSZH                |

## ELECTRICAL CHARACTERISTICS

| FERQUENCY<br>MHZ | ATTENUATIO<br>N<br>dB/100M | NEXT<br>dB/100M | PSNEXT<br>dB | RETURN<br>LOSS<br>dB | ELFEXT<br>dB/100M | PSELFEXT<br>dB/100M |
|------------------|----------------------------|-----------------|--------------|----------------------|-------------------|---------------------|
| 1                | 2.0                        | 78.0            | 75.0         | 20                   | 78.0              | 75.0                |
| 4                | 3.7                        | 78.0            | 75.0         | 23                   | 78.0              | 75.0                |
| 10               | 5.9                        | 78.0            | 75.0         | 25                   | 74.0              | 71.0                |
| 16               | 7.5                        | 78.0            | 75.0         | 25                   | 69.9              | 66.9                |
| 20               | 8.4                        | 78.0            | 75.0         | 25                   | 68.0              | 65.0                |
| 31.25            | 10.4                       | 78.0            | 75.0         | 23.6                 | 64.1              | 61.1                |
| 62.5             | 14.9                       | 75.5            | 72.5         | 21.5                 | 58.1              | 55.1                |
| 100              | 19.1                       | 72.4            | 69.4         | 20.1                 | 54.0              | 51.0                |
| 200              | 27.6                       | 67.9            | 64.9         | 18                   | 48.0              | 45.0                |
| 250              | 31.0                       | 66.5            | 63.5         | 17.3                 | 46.0              | 43.0                |
| 300              | 34.2                       | 65.3            | 62.3         | 17.3                 | 44.5              | 41.5                |
| 400              | 40.0                       | 63.4            | 60.4         | 17.3                 | 42.0              | 39.0                |
| 500              | 45.3                       | 61.9            | 58.9         | 17.3                 | 40.0              | 37.0                |
| 600              | 50.1                       | 60.8            | 57.8         | 17.3                 | 38.4              | 35.4                |