



| CABLE TYPE                       |                       | LAN CABLE CAT.6 FTP- 4 PAIRS |      |
|----------------------------------|-----------------------|------------------------------|------|
| <b>MECHANICAL CHARACTERISTIC</b> |                       |                              |      |
| INNER CONDUCTOR                  | METERIAL              | BARE SOLID COPPER            |      |
|                                  | DIAMETER              | 0.565+/-0.01mm (AWG23)       |      |
| DIELECTRIC                       | METERIAL              | PE WITH PLASTIC CROSS INSIDE |      |
|                                  | DIAMETER              | 0.95 mm                      |      |
| DRIAN WIRE SHIELD                | METERIAL              | TINNED COPPER                |      |
|                                  | METERIAL              | AL POLYESTER FOIL            |      |
| EXTERNAL JACKET                  | METERIAL              | PVC                          |      |
|                                  | DIAMETER              | 6.20mm ± 0.10mm              |      |
| <b>ELECTRICAL CHARACTERISTIC</b> |                       |                              |      |
| CHARACTERISTIC IMPEDENCE         |                       | 100 ± 15 OHM                 |      |
| CAPACITY                         |                       | <50pF/m                      |      |
| PROPAGATION FACTOR               |                       | 78%                          |      |
| <b>ATTENUATION AND NEXT</b>      |                       |                              |      |
| FREQUENCY (MHZ)                  | ATTENUATION (db/100M) | NEXT (d/b 100M)              |      |
| 1                                | 1.6                   | 83.6                         | 88.3 |
| 4                                | 3.2                   | 74.9                         | 72.9 |
| 10                               | 5.1                   | 71                           | 68.7 |
| 16                               | 6.5                   | 68.1                         | 67.5 |
| 20                               | 7.3                   | 61.2                         | 60   |
| 31.25                            | 9.3                   | 58.1                         | 57.3 |
| 62.5                             | 13.4                  | 61.5                         | 57.7 |
| 100                              | 17.3                  | 47.7                         | 57.8 |
| 200                              | 25                    | 50.1                         | 52.4 |
| 250                              | 28.1                  | 50                           | 48.9 |