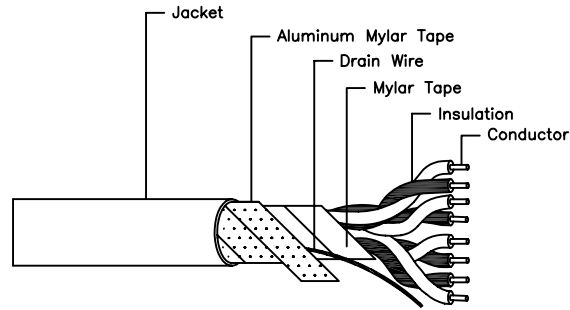


| RevNo | Revision note | Date |
|-------|---------------|------|
| △     |               |      |
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| △     |               |      |



### Electrical Characteristics

DC Resistance (max.) 9.38 ohms/100m.

DC Resistance Unbalance (max.) : 5%

Characteristic Impedance : 100 ± 15% Ohms

Delay skew (max.) 45 ns/100m

### Construction Details

Cond. Stranding : 24AWG Solid Bare copper wire

Insu. / Thickness : Polyethylene 0.31 mm

Color Code :  
 Pair 1 = Blue-White/Blue  
 Pair 2 = Orange - White/Orange  
 Pair 3 = Green - White/Green  
 Pair 4 = Brown - White/Brown

#### Construction :

4 Pairs Twisted Together with Mylar Tape,  
 Tinned Copper Wire 24AWG (7/0.20mm) Worked as  
 Drain Wire and Aluminum Mylar Tape

#### Jacket :

Jacket / Thickness : PVC 0.60 mm  
 Norm. Diameter : 6.10 mm

### Description

4 pair, 24AWG Solid, Polyethylene Insulation  
 PVC Jacket, CMR 75°C Category 5e Cable Tested to 350 MHz.

### Listing and Ratings


- : ETL Verified TIA/EIA-568-B.2 CAT.5e
- : UL Type CMR (E135928)
- : CSA Type CMG FT4 (LL80602)

Packing : 305m reel in a box

#### Note :

Jacket colors available upon request.

| Freq.<br>(Mhz) | Insretion Loss |                 | PS-             |                   | PS-               |      | Return<br>Loss | Propagation delay<br>Max. delay<br>(ns/100 m) |
|----------------|----------------|-----------------|-----------------|-------------------|-------------------|------|----------------|---|
|                | dB/100m<br>max | NEXT<br>dB(min) | NEXT<br>dB(min) | ELFEXT<br>dB(min) | ELFEXT<br>dB(min) |      |                |   |
| 0.772          | 2.1            | 67.0            | 64.0            | 66.1              | 63.1              | -    | -              |   |
| 1              | 2.4            | 65.3            | 62.3            | 63.8              | 60.8              | 20.0 | 570            |   |
| 4              | 4.8            | 56.3            | 53.3            | 51.8              | 48.8              | 23.0 | 552            |   |
| 8              | 6.9            | 51.8            | 48.8            | 45.8              | 42.8              | 24.6 | 546            |   |
| 10             | 7.7            | 50.3            | 47.3            | 43.8              | 40.8              | 25.0 | 545            |   |
| 16             | 9.9            | 47.3            | 44.3            | 39.8              | 36.8              | 25.0 | 543            |   |
| 20             | 11.1           | 45.8            | 42.8            | 37.8              | 34.8              | 25.0 | 542            |   |
| 25             | 12.5           | 44.4            | 41.4            | 35.9              | 32.9              | 24.2 | 541            |   |
| 31.25          | 14.0           | 42.9            | 39.9            | 33.9              | 30.9              | 23.4 | 540            |   |
| 62.5           | 20.3           | 38.4            | 35.4            | 27.9              | 24.9              | 20.8 | 538            |   |
| 100            | 26.3           | 35.3            | 32.3            | 23.8              | 20.8              | 19.0 | 537            |   |
| 200            | 38.9           | 30.8            | 27.8            | 17.8              | 14.8              | 16.4 | 536            |   |
| 250            | 44.2           | 29.4            | 26.4            | 15.9              | 12.9              | 15.6 | 536            |   |
| 350            | 53.8           | 27.2            | 24.2            | 13.0              | 10.0              | 14.3 | 535            |   |

|  |                   |                    |  |                 |            |
|--|-------------------|--------------------|--|-----------------|------------|
| Designed by - date   | Checked by - date | Approved by - date | Date<br>21/09/2009                       | Size<br>A4      | Scale<br>- |
| <br>HOSIWELL TECHNOLOGY CO., LTD. |                   |                    | Part Name<br>Cat.5e FTP Horizontal Cable | Unit<br>-       |            |
|  |                   |                    | Part No.<br>30013-CC                     | Issued<br>1     |            |
|  |                   |                    | Ref. No.                                 | Sheet<br>1 of 1 |            |
|  |                   |                    | Used On.                                 |                 |            |