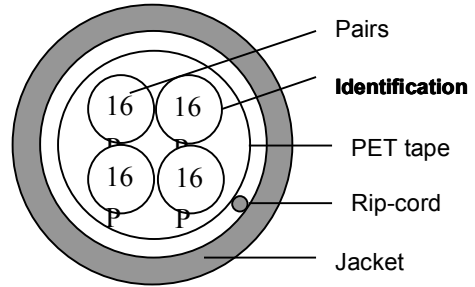


## REF : HYHF 64 pairs cable - 20MHz - LSZH Sheath

|   |   |                        |  |              |  |   |                            |        |                   |
|---|---|------------------------|--|--------------|--|---|----------------------------|--------|-------------------|
| Product Description:<br>Rated temperature: 90°C<br>Bare solid copper conductor<br>Rohs/REACH complied LSZH Jacket<br>Flame Test: IEC60332-1<br>Installation temperature:-30°C~+50°C |   |                        | 10 Base-T<br>100 BASE-T4<br>Telephone Voice Wiring |              |  |   |                            |        |                   |
| Content of the Data Sheet   |   |                        |  |              |  |   |                            |        |                   |
| Category  | HYHF 64P 0.4-LSZH   |                        |  |              |  |   |                            |        |                   |
| Test Standard   | ---   |                        |  |              |  |   |                            |        |                   |
| 1. Conductor  | Material  | SOLID-Bare Copper      |  |              |  |   |                            |        |                   |
|   | Nom. O.D. (mm)  | 0.50                   | Up   | +0.01mm      |  |   |                            |        |                   |
| Down  |   |                        | -0.01mm  |              |  |   |                            |        |                   |
| 2. Insulation   | Material  | HDPE                   |  |              |  |   |                            |        |                   |
|   | Diameter  | 0.90±0.03mm            |  |              |  |   |                            |        |                   |
| Color   | Bl./ Wh. Ora./Wh. Gn./Wh. Br./Wh<br>Bl./ Rd. Ora./ Rd. Gn./ Rd.. Br./Rd..<br>Bl./ Blal. Ora./ Bla.. Gn./ Bla..Br./ Bla..<br>Bl./ Yel.. Ora./ Yel.. Gn./ Yel.. Br./ Yel... |                        |  |              | Sheath<br>Physical<br>Properties         | Before Aging                            | Tensile Strength (Mpa)     | ≥10.0  |                   |
|   |   |                        | Elongation (%)                                     | ≥125         |  |   |                            |        |                   |
|   |   | Aging Period (°C×hrs)  |  | 100°C×24h×7d |  |   |                            |        |                   |
| 3. Rip-cord   | Yes   | Drain wire             | No   |              |  | After Aging                             | Tensile Strength (Mpa)     | ≥8.0   |                   |
| 4. Shielded   | Polyester   |                        |  |              |  |   | Elongation (%)             | ≥100   |                   |
| 5. Sheath   | Thickness   | 1.0±0.4 mm             |  |              |  | Electrical<br>Characteristics<br>(20°C) | Cold bend (-20±2°C×4h)     |        | No visible cracks |
|   | External O.D.   | 18.3±1.0mm             |  |              |  |   | 1.0-20.0MHz, impedance (Ω) | 100±15 |                   |
|   | Surface   | Clean, Frap, Satiation |  |              |  |   | Capacitance(nF/100m) max:  | 6.6    |                   |
|   | Material  | LSZH                   |  |              |  |   | DC Resistance(Ω/100m) max  | 9.78   |                   |
| Color   | Multiple  |                        |  |              | DC Conductor Resistance Unbalance(%) max |   | 5.0                        |        |                   |
| Surface Printing  | Letter height   | 3.0±0.3mm              |  |              |  |   |                            |        |                   |
|   | Color   | Black                  |  |              |  |   |                            |        |                   |
|   | Print error & Space   | ≤±1%, 1m               |  |              |  |   |                            |        |                   |
| Packing   | Drum  |                        |  |              |  |   |                            |        |                   |
| Packing length  | 305±1.5m/ 500±2.5m  |                        |  |              |  |   |                            |        |                   |



**Note: Structure: a. 1-16P be tied up with White/Blue Identification tape, b. 17-32P be tied up with White/Orange Identification tape, c. 33-48P be tied up with White/Green Identification tape, d. 49-64P be tied up with White/Brown Identification tape**

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| Technical Performance (100m): |         |          |
|-------------------------------|---------|----------|
| Frequency (MHz)               | ATT ≤dB | NEXT ≥dB |
| 1                             | 2.6     | 62       |
| 4.0                           | 5.6     | 53       |
| 8.0                           | 8.5     | 49       |
| 10.0                          | 9.7     | 47       |
| 16.0                          | 13.1    | 42.5     |

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