

# CABLE DRAWING



|                                     |                          |                                    |   |
|-------------------------------------|--------------------------|------------------------------------|---|
| <b>Drawing Number</b><br>700033036  | <b>Revision No</b><br>02 | <b>Status</b><br>Released          | <b>Phase</b><br>Proposal for Production |
| <b>Description</b><br>1xTX+3xRX-TI  |                          | <b>Habia Inspection Plan (HIP)</b> | <b>Page</b><br>1 of 1                   |
| <b>Customer Product Number</b>      |                          | <b>Created by</b><br>D. Feng       | <b>Approved by</b><br>D. Feng           |
| <b>Customer Product Description</b> |                          | <b>Creation Date</b><br>2011-05-10 | <b>Approval Date</b><br>2011-05-10      |

| Technical Data        | Values at +20° C                             | Unit      |
|-----------------------|--|-----------|
| Conductor Resistance  | 2,38mm <sup>2</sup> : Max7,3 ;28AWG: Max 197 | Ω/km      |
| Insulation Resistance | Min 1500                                     | MΩ x km   |
| Test Voltage          | 3  | KV DC     |
| Voltage Rating        | 300  | V AC      |
| Capacitance           | 2.38mm <sup>2</sup> :100±2 ; 28AWG: 101±2    | nF / km   |
| Impedance             | 50±2,5                                       | Ω         |
| Attenuation           | 27MHz,max 4,3 / 4,24MHz,max 10               | dB / 100m |
| Temperature Rating    | -40~+70                                      | °C        |

**RoHS Compliant.**  
**All dimensions in mm, unless otherwise stated.**

| Pos | Description   | Dimension  | Overall Diameter mm                          | Remarks                   |
|-----|---|--|--|---------------------------|
| 1.  | Bare copper conductor ,<br>Dielectric of solid PE,<br>Aluminium/Polyester,<br>Braiding of tin plated copper,<br>Jacket of HFS 80 , GREY<br>Halogen free and flame retardant                 | A=2,38mm <sup>2</sup><br><br>wire diam : 0,127<br><br>t=0,35mm | 1,92<br>6,70<br>6,85<br>7,40<br><br>8,1±0,2  | 19x0.40 mm<br><br>Min 70% |
| 2.  | Silver-plated copper conductor,<br>Dielectric of solid PE,<br>Aluminium/Polyester,<br>Braiding of tin plated copper,<br>Jacket of HFS 80 , and coloured<br>Halogen free and flame retardant | 28AWG<br><br>T=0,38mm  | 0,381<br>1,25<br>1,33<br>1,74<br><br>2,5±0,3 | 7x0,127mm<br><br>Min 90%  |
| 3.  | Filler  |  |  |                           |
| 4.  | Foil Mylar  |  | 10,8   |                           |
| 5.  | Jacket of HFS 100,black   |  | 12±0,5                                       |                           |

Jacket marking in contrasting colour, intervals of 250 mm:  
**Habia Cable - 700033036 - YYYY-Www - batchcode**  
YYYY-Www to be replaced with year and week of manufacture.  
Batchcode to be replaced with manufacturers traceability code

Flammability: pass IEC 60332-1-1993.  
Min bending radius:  
Dynamic: 10 x outer diameter  
Static: 5 x outer diameter

