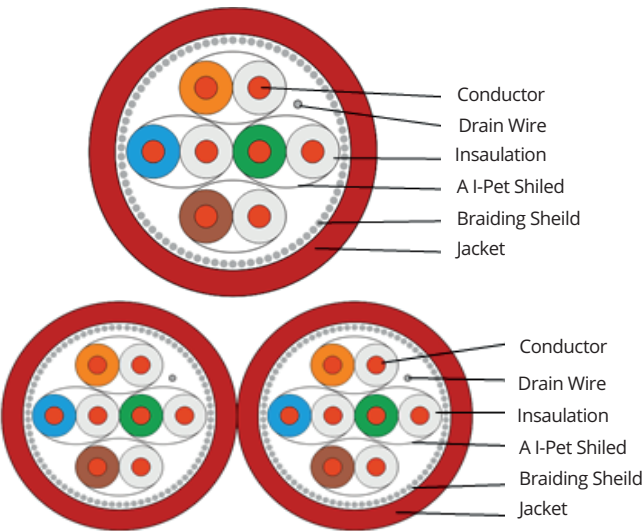


inginium CAT7 STP LSZH  
1000 MHz 23AWG  
Delta Certified  
Part of inginium Channel



in CAT7 1000MHz

in SFTP screened

in 23AWG conductors

in Supports 10 Gigabit Ethernet application

in Delta Lab Verified



Product Overview

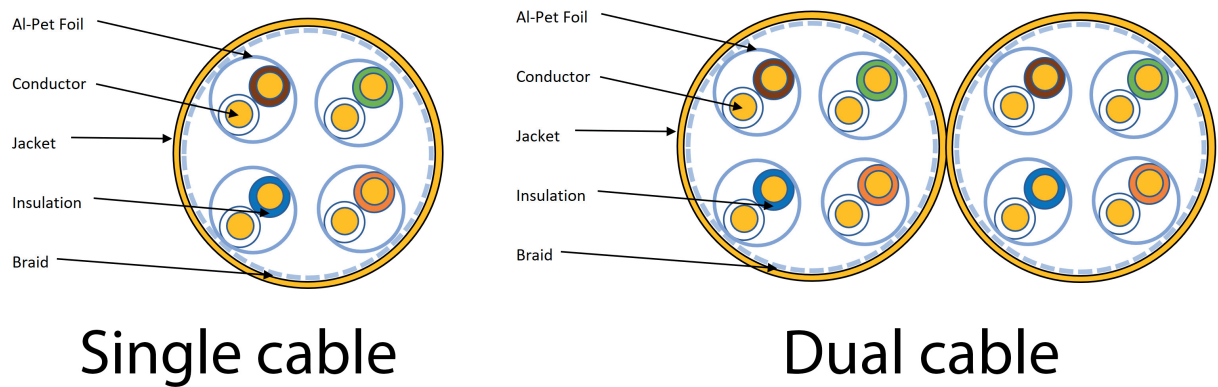
inginium CAT7 S/FTP LSOH cable is designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards. This superior performance cable is DELTA component verified. and supply in 500M, 305M, and 100M plwood drums. Each cable has a print legend identifying the IEEE 802.3an: 10Base-T; 100Base-TX; Primary (campuse), Secondary (Riser), Tertiary (Horizontal) 1000Base-T; 10GBase-T, **Power over Ethernet (PoE) / PoE+** IEEE 802.5 16 MB;

| Feature                                  | Values                        |
|------------------------------------------|-------------------------------|
| Conductor material                       | Bare Copper                   |
| Conductor Dia                            | AWG 23                        |
| Drain Wire                               | TC                            |
| Braid coverage                           | ~30%                          |
| Jacket material                          | Low Smoke Zero Halogen (LSOH) |
| Cable diameter                           | 7.4±0.2                       |
| MaxConductor DC Resistance at 20°C(Ω/Km) | 85.6>                         |
| Rated Temperature (°C)                   | 60                            |
| Velocity ratio                           | approx 76%                    |
| Impedance (Ω)                            | 1-1000Mhz @100 approx         |
| Temperture                               | -40°C up to +95°C             |

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Cross-section diagram



| Performance                                       |                               |                   |                     |                          |                         |                           |                         |                           |
|---------------------------------------------------|-------------------------------|-------------------|---------------------|--------------------------|-------------------------|---------------------------|-------------------------|---------------------------|
| Frequency<br>(MHz)                                | Attenuation<br>(dB/100m) Max. | NEXT<br>(dB) Min. | PSNEXT<br>(dB) Min. | Return loss<br>(dB) Min. | ACR-F<br>(dB/100m) Min. | PSACR-F<br>(dB/100m) Min. | ACR-N<br>(dB/100m) Min. | PSACR-N<br>(dB/100m) Min. |
| 4.0                                               | 3.7                           | 78.0              | 75.0                | 23.0                     | 78.0                    | 75.0                      | 74.3                    | 71.3                      |
| 10.0                                              | 5.9                           | 78.0              | 75.0                | 25.0                     | 78.0                    | 75.0                      | 72.1                    | 69.1                      |
| 16.0                                              | 7.4                           | 78.0              | 75.0                | 25.0                     | 71.2                    | 68.2                      | 70.6                    | 67.6                      |
| 31.3                                              | 10.4                          | 78.0              | 75.0                | 23.6                     | 65.4                    | 62.4                      | 67.6                    | 64.6                      |
| 62.5                                              | 14.9                          | 75.5              | 72.5                | 21.5                     | 59.4                    | 56.4                      | 60.6                    | 57.6                      |
| 100.0                                             | 19.0                          | 72.4              | 69.4                | 20.1                     | 55.3                    | 52.3                      | 53.4                    | 50.4                      |
| 250.0                                             | 31.0                          | 66.4              | 63.4                | 17.3                     | 47.3                    | 44.3                      | 35.5                    | 32.5                      |
| 500.0                                             | 45.3                          | 61.9              | 58.9                | 17.3                     | 41.3                    | 38.3                      | 16.7                    | 13.7                      |
| 600.0                                             | 50.1                          | 60.7              | 57.7                | 17.3                     | 39.7                    | 36.7                      | 10.6                    | 7.6                       |
| 900.0                                             | 63.0                          | 58.1              | 55.1                | 13.4                     | 36.2                    | 33.2                      | -4.9                    | -7.9                      |
| 1000.0                                            | 66.9                          | 57.4              | 54.4                | 13.1                     | 35.3                    | 32.3                      | -9.5                    | -12.5                     |
| Note 1 : Data above 600MHz is for reference only. |                               |                   |                     |                          |                         |                           |                         |                           |

Part Number Information

| PN     | Detail            |
|--------|-------------------|
| 101111 | 500M wooden drum  |
| 101009 | 305M wooden drum  |
| 1139   | 100M wooden drum  |
| 2015   | Siamese /Dual/Fig |