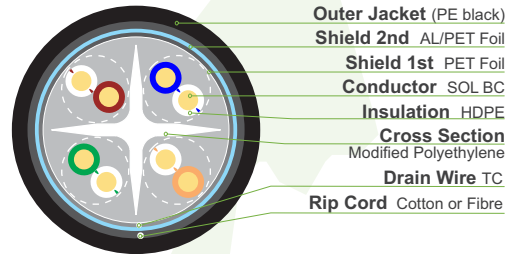


PRODUCT DATA SHEET

F/UTP Shielded Exterior CAT6A Cable



Standard

- IEC/ISO 61156-5
- ANSI/TIA568.2-D
- ISO/IEC 11801

Application

- Suitable for exterior use: aerial or underground
- For transmission of digital and analogue voice and data signals.
- Especially suitable for all Class EA applications.
- ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000Base-T, 10G Base-T. (IEEE 802.3).

Electrical Characteristics

- Impedance: 4 - 100MHz 100±15 (ohms) .
100 - 200MHz 100±22 (ohms).
200 - 500MHz 100±32 (ohms).
- Max. Conductor DC Resistance 20°C: 8.4(ohms/100m).
- Resistance unbalance (%): max 2.5.
- Pair-to-Ground Capacitance Unbalance 330 (pF/100m).
- Transfer Impedance: Max 10 mohms/m@100MHz.
- Installation temperature: 0~50°C.
- Operation temperature: -20~60°C.

Conductor

| | |
|--------------------------------------|--|
| Conductor | Solid Bare Copper 23AWG |
| Insulation | HDPE |
| Total number of insulated conductors | 8, twisted in 4 pairs |
| Color code | blue x white, orange x white, green x white, brown x white |
| Individual pair shield | None |
| Overall shield | Aluminum foil, providing 100% coverage, foil face out. |
| Drain wire | Tinned copper |

Order information (Part Number)

NTNC6ABKFTP-X

- E: LDPE Jacket
- DB: HDPE Jacket

Nominal Transmission Characteristics

| Frequency (MHz) | RL (min) (dB) | IL(max) (dB/100m) | DOP(max) (ns/100m) | Delay Skew (max) (ns/100m) | NEXT (min) (dB) | PSNEXT (min) (dB) | ACR-F (min) (dB/100m) | PSACR-F (min) (dB/100m) |
|-----------------|---------------|-------------------|--------------------|----------------------------|-----------------|-------------------|-----------------------|-------------------------|
| 1 | 20.0 | 2.1 | 570 | 45 | 74.3 | 72.3 | 67.8 | 64.8 |
| 4 | 23.0 | 3.8 | 552 | 45 | 65.3 | 63.3 | 55.8 | 52.8 |
| 10 | 25.0 | 6.0 | 545.4 | 45 | 59.3 | 57.3 | 47.8 | 44.8 |
| 16 | 25.0 | 7.6 | 543 | 45 | 56.2 | 54.2 | 43.7 | 40.7 |
| 20 | 25.0 | 8.5 | 542.1 | 45 | 54.8 | 52.8 | 41.8 | 38.8 |
| 31.25 | 25.0 | 10.7 | 540.4 | 45 | 51.9 | 49.9 | 37.9 | 34.9 |
| 62.5 | 21.5 | 15.4 | 538.6 | 45 | 47.4 | 45.4 | 31.9 | 28.9 |
| 100 | 20.1 | 19.8 | 537.6 | 45 | 44.3 | 42.3 | 27.8 | 24.8 |
| 200 | 18.0 | 29.0 | 536.1 | 45 | 39.8 | 37.8 | 21.8 | 18.8 |
| 300 | 17.3 | 36.4 | 536.1 | 45 | 37.1 | 35.1 | 18.3 | 15.3 |
| 400 | 17.3 | 43.0 | 535.8 | 45 | 35.3 | 33.3 | 15.8 | 12.8 |
| 500 | 17.3 | 45.3 | 535.6 | 45 | 33.8 | 31.8 | 13.8 | 10.8 |

Note: The above transmission performance for the 100M, 20 ± 2°C under the conditions tested.

