

at the heart of every project

MESC LAN Cable



DATA CABLES



LAN CAT 6 UTP

Specification: TIA/EIA 568-C.2 & UL 444



Cable code: MA62-04P23AWG-U0GYM-00

Application: These cables are intended to be used for low loss extended frequency data systems that operate up to 250 MHz, Suitable for building structured cabling supports IP-based security and building automation systems.

Construction

Conductor	: 8, twisted in 4 pairs, 23 AWG solid copper
Insulation	: Polyethylene insulated
Pair shield	: Twisted pairs assembled with a center separator
Outer jacket	: PVC with grey color jacket
Color code	: White/Blue, White/Orange, White/Green, White/Brown

Characteristics:

Frequency	: 1 - 250 MHz
Impedance	: 100+/- 15 Ω
Flame retardance	: UL Vertical tray
Halogen acid gas	: ≤ 17% IEC 60754-1(outer sheath)
Limiting Oxygen index	: ≥ 30 ASTM D 2863 (outer sheath)
Operating temperature	: -20 to 80 °C
Cable overall diameter	: 6.3 mm

CAT 6A, Twisted Pair, S/FTP, LSHF

Specification: TIA/EIA 568-C.2



Cable code: MD63-04P23AWG-U2GYM-H0

Application: Suitable for enterprise applications designed to deliver robust standards based performance ensuring optimum bandwidth for today's high speed network applications. The cable is designed to support horizontal networking applications over distances up to 100 meters, 10GBASE-T Ethernet. Fully compliant to Category 6A requirements, including alien crosstalk (AXT). Third-party verified by Intertek Testing Services (ETL)

Construction

Conductor	: 8, twisted in 4 pairs, 23AWG solid annealed copper
Insulation	: Foam polyethylene
Pair shield	: Each pair is shielded with an aluminum polyester tape
Assembly	: Shielded twisted pairs are assembled with a solid tinned copper drain and braided with tinned copper wires
Outer jacket	: Flame retardant LSHF with color Grey
Color code	: White/Blue +Blue, White/Orange+ Orange, White/Green+ Green, White/Brown+ Brown

Characteristics:

Frequency	: 1 – 500 MHz
Impedance	: 100+/- 15 Ω
Mutual Capacitance	: ≤ 56 nF/km
Direct cur conductor resistance	: 72.0 Ω/km
Min.insulation resistance	: >2GΩ·km
Propagation velocity	: 74 %
Halogen acid gas	: ≤ 0.5% IEC 60754-1(outer sheath)
Limiting Oxygen index	: ≥ 30 ASTM D2863 (outer sheath)
Operating temperature	: -20 to 70 °C
Cable overall diameter	: 8.0 mm

CAT 7, Twisted Pair, S/FTP, LSHF

Specification: ISO / IEC 11801 requirements

Cable code: MB63-04P23AWG-U2GYM-H0

Application: Suitable for enterprise applications designed to deliver robust standards based performance ensuring optimum bandwidth for today's high speed network applications support all CLASS EA applications such as .POTS/CATV, 10GBASE-T, 4G FCBASE-T and 1000BASE-T (Gigabit Ethernet) over single cable. Fully compliant to Category 6A requirements, including alien crosstalk (AXT). Third-party verified by Intertek Testing Services (ETL)

Construction

Conductor	: 8, twisted in 4 pairs, 23 AWG Solid annealed copper
Insulation	: Foam polyethylene
Pair shield	: Each pair is shielded with an Aluminum polyester tape
Assembly	: Shielded twisted pairs are assembled with a solid tinned Copper drain & Braided with tinned copper wires
Outer jacket	: Flame retardant LSHF with color Grey
Color code	: White/Blue, White/Orange, White/Green, White/Brown

Characteristics:

Frequency	: 1 – 600 MHz
Impedance	: 100+/- 15 Ω
Direct cur conductor resistance	: 72.0 Ω/km
Min.insulation resistance	: >2GΩ·km
Propagation velocity	: 74 %
Halogen acid gas	: ≤ 0.5% (IEC 60754-1)(outer sheath)
Limiting Oxygen index	: ≥ 30 ASTM D2863 (outer sheath)
Operating temperature	: -20 to 70 °C
Cable overall diameter	: 8.0 mm

*NOTE: Halogen free thermosetting jacket for offshore application is available upon request.
Packing: Available in 1000 Ft. (305 Mt.) length on reels.
UTP - Unshielded Twisted Pair
S/FTP - Shielded and Foil screened Twisted Pair*

