

Industrial Grade Patch Cords

KEY FEATURES

- 100% factory tested per ANSI/TIA-568-C.2 to ensure performance
- IP67-rated industrial-grade plugs with durable flexible cable strain relief for industrial use
- Rated for at least 750 plug insertions for high level system reliability
- Equipped with caps to prevent exposure of unplugged connectors



INDUSTRIAL GRADE PATCH CORDS

PART NUMBER	DESCRIPTION
C6AS-116IG-10FB	MIA1 CAT6A/6 Screened Industrial Plug to Industrial Plug, 10 Ft.
C6AS-116IG-15FB	MIA1 CAT6A/6 Screened Industrial Plug to Industrial Plug, 15 Ft.
C6AS-116IG-20FB	MIA1 CAT6A/6 Screened Industrial Plug to Industrial Plug, 20 Ft.
C6AS-116IG-25FB	MIA1 CAT6A/6 Screened Industrial Plug to Industrial Plug, 25 Ft.
C6AS-116IG-3FB	MIA1 CAT6A/6 Screened Industrial Plug to Industrial Plug, 3 Ft.
C6AS-116IG-5FB	MIA1 CAT6A/6 Screened Industrial Plug to Industrial Plug, 5 Ft.
C6AS-116IG-7FB	MIA1 CAT6A/6 Screened Industrial Plug to Industrial Plug, 7 Ft.
C6AS-117IG-10FB	MIA1 Cat6A/6 Screened Industrial Plug to RJ-45, 10 Ft.
C6AS-117IG-15FB	MIA1 Cat6A/6 Screened Industrial Plug to RJ-45, 15 Ft.
C6AS-117IG-20FB	MIA1 Cat6A/6 Screened Industrial Plug to RJ-45, 20 Ft.
C6AS-117IG-25FB	MIA1 Cat6A/6 Screened Industrial Plug to RJ-45, 25 Ft.
C6AS-117IG-3FB	MIA1 Cat6A/6 Screened Industrial Plug to RJ-45, 3 Ft.
C6AS-117IG-5FB	MIA1 Cat6A/6 Screened Industrial Plug to RJ-45, 5 Ft.
C6AS-117IG-7FB	MIA1 Cat6A/6 Screened Industrial Plug to RJ-45, 7 Ft.

Additional custom lengths are available, contact customer service for special orders.

SPECIFICATIONS

TRANSMISSION PERFORMANCE

ANSI/TIA-568-C.2: meets or exceeds category 5e (1-100 MHz) specifications
ANSI/TIA-568-C.2: meets or exceeds category 6 (1-250 MHz) specifications
ANSI/TIA-568-C.2: meets or exceeds category 6A (1-500 MHz) specifications

TRANSMISSION MEDIA

4-pair stranded unscreened twisted pair (U/UTP)
4-pair stranded screened twisted pair (F/UTP)

WIRING SCHEME

ANSI/TIA/EIA-568-C.2: T568A & T568B
ISO/IEC 11801 2nd Ed.: 8-position pin/pair assignment (1-2/3-6/4-5/7-8)

CONSTRUCTION

Assembly:

Cord: 4 pairs, 7 strands 24 AWG, UTP

Plug: FCC Part 68 Subpart F

Plug Housing: IP67-rated industrial-grade thermoplastic

IP67 offers complete protection against dust, protection against the effects of temporary immersion up to 1 m (3 ft)

Insulation: Industrial-grade thermoplastic

Jacket:

Material: NEC/CEC VW-1 rated - polyurethane

Dimension: Diameter < 0.22 in (5.59 mm)

IDC Blades: Phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area

Screen: Brass alloy plated with 100 µin of nickel

MECHANICAL

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles

Tensile Strength: ≥ 20 N per wire

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

1,500 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min (screened only)

Contact Resistance: Max 20 mOhm

ENVIRONMENTAL CONDITIONS

Operating Temperature: 14 °F to 140 °F (-10 °C to 60 °C)

Storage Temperature: -40 °F to 158 °F (-40 °C to 70 °C)

Operating RH: 93% Max (non-condensing)

COMPLIANCE

ANSI/TIA-568-C.2, IEC 60603-7, IEC 61156-6, IEC 60332-1-2, FCC Part 68 Subpart F, UL 94V-0

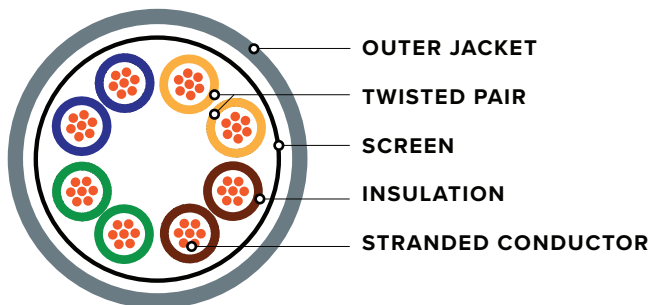
APPLICATIONS

X.21, V.11, S0, ISDN, CSMA/CD 10BASE-T, 100BASE-TX, 100BASE-T4, 100BASE-T2, 1000BASE-T, 10GBASE-T (up to 55 m (180 ft)), TR 4/16/100, 100BASE-VG, ATM LAN 25/51/155, TP-PMD

WARRANTY

5 - Year Limited Component

SCREENED CABLE STRUCTURE:



UNSCREENED CABLE STRUCTURE:

