

Ruggedized Communication Cables

Category 5e and Category 6

Category 5e and Category 6 Ruggedized Industrial Ethernet cables with several different UL approvals. For the most common Industrial Ethernet applications, we offer cables with LSZH (UL) CM-LS, CCA approval. For applications in hazardous locations, such as Class 1, Division 1 and Division 2, we offer ITC-HL and UL 2250 ITC-300V approval.

Ethernet cables are classified as a low-voltage communications cable. The CM listing for “Communications Cables” is appropriate for many Ethernet installations. NEC Article 800 “Communications Circuits” applies to most Ethernet installations in buildings and facilities where CM cables are approved for install. Our current Industrial Ethernet cable offering can be used when supported by cable trays, or in any raceway.

Important: Industrial Ethernet users and installers must determine their own code compliance needs, and whether a CM or ITC-300V, ITC-HL, ITC-PLTC or Article 800 listed cables are suitable for their specific installation and application.

Ruggedized Industrial Ethernet cables provide:

- Excellent moisture resistance
- Excellent oil resistance
- Good ozone resistance
- Excellent UV and weathering resistance
- UL 2250 approval
- Superior low temperature brittle point
- Tested for full Category 5e and Category 6 performance



**Continuously Welded Armored Cables
For Harsh Applications**

Call your
Gardex
specialist at
(860) 653-8366
for pricing and
availability.



Features of Continuously Corrugated Armor (CCA):

- Self-Contained Conduit and Wiring System
- Provides a Hermetically Sealed Barrier
- Considered an Electrical Shield in Certain Applications
- Provides Ruggedness and Physical Protection for Cables against workplace and installation hazards.
- Armor is Impact and Crush Resistant to UL 2225 Standards
- Aluminum Sheath Provides Superior Electrical Shielding Performance Critical Communication Systems Applications
- Outer Jackets are Sunlight, Oil, and Moisture Resistant
- Arctic-Grade (-40°C) Jackets (standard, other jacketing options available)
- All Jackets have Printed Sequential Length Markings (Feet or Meter)

Continuously Corrugated Armor (CCA) Type ITC-HL cables are listed for use in Class 1, Division 1 hazardous locations. A Class 1, Division 1 location is defined as an area where ignitable concentrations of flammable gases or vapors are present in normal operating conditions.



Made in the USA

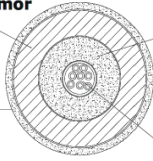
Gardex CAT 5E

4 Twisted pairs, 22 AWG, ITC -HL (UL), 300V, C1D1

Aluminum Gardex Armor

Black Arctic Grade PVC sheath (170 mils)

Blue ARCTIC Grade PVC Jacket (50 mils)



CAT 5E Core, 22 AWG Solid Copper Conductors, 4 Twisted Pairs, 9 mils FEP Insulation, 20 Mils clear FEP jacket

Cable Marking Over Outer Jacket

GARDEX CAT 5E 4 PAIRS 22 AWG RSCC GARDEX(G) 90 DEG C (UL) TYPE ITC-HL SUN RES DIR BUR FT4 -40 DEG C FLUOROPOLYMER INSUL PVC JACKET

Specifications

TIA/EIA-568-C.2 Category 5E

Certifications

Performance per TIA/EIA-568-C.2 Category 5E

Listings

- UL 2250 listed type ITC 300V, 90°C
- UL 2225 listed type ITC -HL, for use in Class I Div 1 Hazardous locations
- Can be installed at -71°C locations
- FEP Insulation/Jacket passes Impact Brittleness test at -75°C per ASTM D746-04
- PVC Jacket passes Impact Brittleness test at -51°C per ASTM D746-04
- UL listed FT-4/ IEEE 1202 vertical tray flame test
- Direct Burial and Sunlight resistant

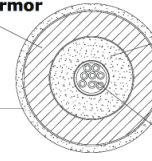
Gardex CAT 6

4 Twisted pairs, 22 AWG, ITC-HL (UL), 300V, C1D1

Aluminum Gardex Armor

Black Arctic Grade PVC sheath (170 mils)

Blue ARCTIC Grade PVC Jacket (50 mils)



CAT 6 Core, 22 AWG Solid Copper Conductors, 4 Twisted Pairs, 9 mils FEP Insulation, 20 Mils clear FEP jacket

Cable Marking Over Outer Jacket

RSCC GARDEX CAT 6 4 PAIRS 22 AWG TD-010811 (G) (UL) ITC-HL SUN RES DIR BUR -40 DEG C FT4 FLUOROPOLYMER INSUL PVC JACKET

Specifications

TIA/EIA-568-C.2 Category 6

Certifications

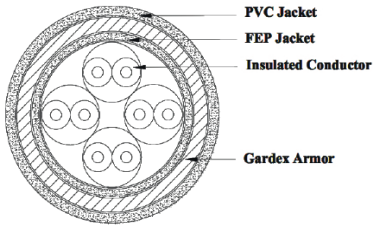
Performance per TIA/EIA-568-C.2 Category 6

Listings

- UL 2250 listed type ITC 300V, 90°C
- UL 2225 listed type ITC -HL, for use in Class I Div 1 Hazardous locations.
- Can be installed at -71°C locations
- FEP Insulation/Jacket passes Impact Brittleness test at -75°C per ASTM D746-04
- PVC Jacket passes Impact Brittleness test at -51°C per ASTM D746-04
- UL listed FT-4/ IEEE 1202 vertical tray flame test
- Direct Burial and Sunlight Resistant

Gardex CAT 5E

4 Twisted pairs, 22 AWG, (UL) ITC, 300V, C1D2



Cable Marking Over Outer Jacket

RSCC GARDEX CAT 5E 4 PAIRS 22 AWG TD-010703 (G) (UL) ITC SUN RES -40 DEG C FT4 FLUOROPOLYMER INSUL PVC JACKET

Specifications

TIA/EIA-568-C.2 Category 5E

Certifications

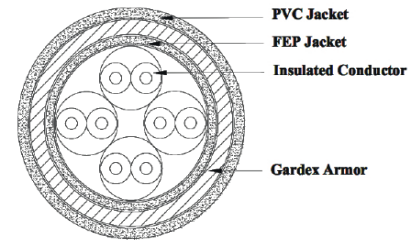
Performance per TIA/EIA-568-C.2 Category 5E

Listings

- UL 2250 listed type ITC 300V, 90°C
- Can be installed at -71°C locations
- FEP Insulation/Jacket passes Impact Brittleness test at -75°C per ASTM D746-04
- PVC Jacket passes Impact Brittleness test at -51°C per ASTM D746-04
- UL listed FT-4/ IEEE 1202 vertical tray flame test
- Sunlight resistant

Gardex CAT 6

4 Twisted pairs, 22 AWG, (UL) ITC, 300V, C1D2



Cable Marking Over Outer Jacket

RSCC GARDEX CAT 6 4 PAIRS 22 AWG TD-010810 (G) (UL) ITC SUN RES -40 DEG C FT4 FLUOROPOLYMER INSUL PVC JACKET

Specifications

TIA/EIA-568-C.2 Category 6

Certifications

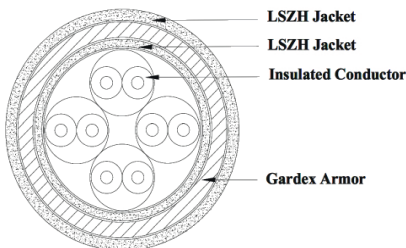
Performance per TIA/EIA-568-C.2 Category 6

Listings

- UL 2250 listed type ITC 300V, 90°C
- Can be installed at -71°C locations
- FEP Insulation/Jacket passes Impact Brittleness test at -75°C per ASTM D746-04
- PVC Jacket passes Impact Brittleness test at -51°C per ASTM D746-04
- UL listed FT-4/ IEEE 1202 vertical tray flame test
- Sunlight resistant

Gardex CAT 5E LSZH

4 Twisted pairs, 24 AWG, (UL) CM -LS, CCA



Cable Marking Over Outer Jacket

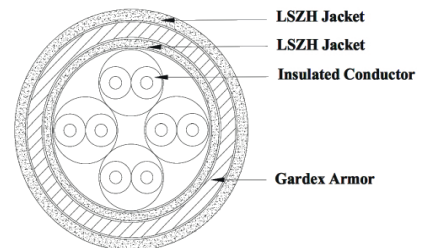
RSCC GARDEX CAT 5E 4 PAIRS 24 AWG TD-010700 (G) (UL) CM -LS ETL VERIFIED TO ANSI/TIA-568-C.2 CAT 5E"

Listings

UL 444 listed type CM -LS
Sunlight resistant

Gardex CAT 6 LSZH

4 Twisted pairs, 23 AWG, (UL) CM -LS, CCA



Cable Marking Over Outer Jacket

RSCC GARDEX CAT 6 4 PAIRS 23 AWG TD-010812 (G) (UL) CM -LS ETL VERIFIED TO ANSI/TIA-568-C.2 CAT 6

Listings

UL 444 listed type CM -LS
Sunlight resistant