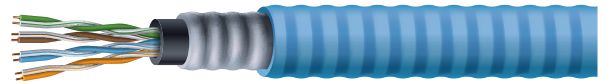


# GARDEX CAT 5E ITC-HL 300V



## APPLICATION:

Gardex Category 5E ITC-HL ruggedized industrial ethernet cables are suitable to be used in buildings and facilities where C1D1 cables are approved for install. The cables are approved for direct burial and can be used when supported by cable trays or in any raceway. The cables Continuously Corrugated Armor (CCA) allows it to be a self-contained conduit and wiring system, provides a hermetically sealed barrier, is considered an electrical shield in certain applications, and provides physical protection against workplace and installation hazards. The cable is for applications with temperatures from -71°C to 90°C.

## CONDUCTORS:

- Solid bare copper

## INSULATION:

- Fluoropolymer (FEP) per ASTM D746

## ASSEMBLY:

- 4 twisted pairs cabled together with a left hand lay

## COLOR CODE:

Pair #	Conductor #1	Conductor #2
1	Blue	White/Blue
2	Orange	White/Orange
3	Green	White/Green
4	Brown	White/Brown

Part Number	Conductor Size AWG	Min Average Thickness					Nominal Overall Diameter inches	Approx. Weight lbs/kft
		Insulation	Inner Jacket	Sheath	Armor	Outer Jacket		
		inches	mils	mils	mils	mils		
<b>CAT5E, 4 Pairs, C1D1</b>								
TEL24-4PC5ECCA-C1D1	22	0.009	0.020	170	25	50	0.930	340

All values are nominal and subject to correction

## INNER JACKET:

- Clear Fluoropolymer (FEP) per ASTM D746

## SHEATH:

- Black arctic grade polyvinyl chloride (PVC) per ASTM D746 for superior electrical shielding performance

## ARMOR:

- Continuously welded and corrugated aluminum Gardex Armor
- Impact and crush resistant per UL 2225

## OUTER JACKET:

- Blue arctic grade polyvinyl chloride (PVC) per ASTM D746

## STANDARDS:

- UL 2250 listed type ITC 300V, 90°C
- UL 2225 listed type ITC-HL, for use in Class 1 Div 1 Hazardous locations
- Performance per TIA/EIA-568-B.2 Category 5E
- 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



1-800-945-5542  
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