

GARDEX CAT 5E CM LSZH

APPLICATION:

Gardex Category 5E CM LSZH ruggedized industrial ethernet cables are suitable to be used in buildings and facilities where CM cables are approved for install for the most common industrial ethernet applications. The cables 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.

CONDUCTORS:

- Solid bare copper

INSULATION:

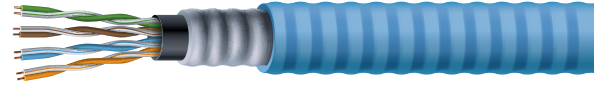
- Polyethylene

ASSEMBLY:

- 4 twisted pairs cabled together with a left hand lay

INNER JACKET:

- Black LSZH with rip cord for easy removal



ARMOR:

- Continuously welded and corrugated Gardex Armor

OUTER JACKET:

- Sunlight, oil, and moisture resistant blue LSZH

STANDARDS:

- UL 444 listed type CM-LS
- Sunlight resistant
- ETL Verified to ANSI/TIA-568-C.2 Cat 5E

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	Min Average Thickness				Nominal Overall Diameter	Approx. Weight
		Insulation	Inner Jacket	Armor	Outer Jacket		
	AWG	inches	mils	mils	mils	inches	lbs/kft
CAT5E LSZH, 4 Pairs							
TEL24-4PC5ECCA	24	0.007	34	25	45	0.493	115

All values are nominal and subject to correction

Frequency	Return Loss, min.	Attenuation, max.	Next, min.	PS-Next, min.	ACRF, min.	PSACRF, min.
MHz	dB	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m
Performance						
1	20	2.0	65.3	62.3	63.8	60.8
4	23	4.1	56.3	53.3	51.7	48.7
8	24.5	5.8	51.8	48.8	45.7	42.7
10	25	6.5	50.3	47.3	43.8	40.8
16	25	8.2	47.3	44.3	39.7	36.7
20	25	9.3	45.8	42.8	37.7	34.7
25	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	21.5	17.0	38.4	35.4	27.8	24.8
100	20.1	22.0	35.3	32.3	23.8	20.8

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