

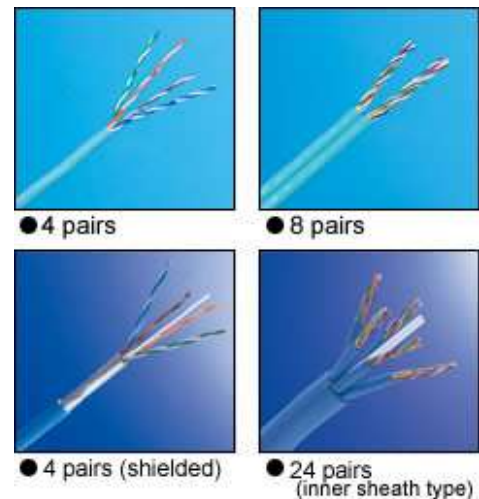
Products

Category 5E cable (single wire) DTI-C5e350 series

Floor type (horizontally laid) cable, multi-pair vertically laid cable

Applications

This is a high-speed LAN cable that supports 10BASE-T — 1000BASE-T.



Features

- This cable support 1000BASE — T (Gigabit Ethernet).
- It is of a construction that suppresses multiplex crosstalk attenuation (PowerSum NEXT).
- It conforms to the enhanced category 5 standard, and supports 1000BASE-T.
- It has excellent flexibility.
- 4-pair, 8-pair, 16-pair, and 24-pair cables are available
- 18-pair and 24-pair cables are also available as inner sheath types, enabling the wires to be branched in groups of 4 pairs.
- Cables are packaged using the "OKI 8 winding" method, which enables a cable to be removed without opening the box (4-pair cables only).
- This cable conforms to the RoHS standard.

Category / Specifications

Inner sheath	Shield	Item name symbol	Number of pairs *1	Conductor	Sheath			Standard stripe length m	Estimated weight kg/km	Packaged form
					Material	O.D. mm	Color (Color symbol) *3			

No	No	0.5 4P DTI- C5e350 (Color symbol)	4	AWG24 (0.5mm single wire)	PVC	5.1	Green (G) Blue (B) Red (R) Orange (O) Yellow (Y) Violet (V) Dark Blue (DB) White (W) Gray (S)	300	30	Wound in a figure of 8
		0.5 8P DTI- C5e350 (Shaped like a figure of 8) (Color symbol)	8			11.5x5.5*2		500	70	Wooden drum winding
		0.5 16P DTI- C5e350 (Color symbol)	16			13.0			135	
		0.5 24P DTI- C5e350 (Color symbol)	24			14.3			170	
	Yes	0.5 4P DTI- C5e350 (SLA) (Color symbol)	4			6.3		300	40	Bundle winding
Yes	No	0.5 16P DTI- C5e350 IS (Color symbol)	16	14.0	Green (G) Blue (B)	300	170	250	Wooden drum winding	
		0.5 24P DTI- C5e350 IS (Color symbol)	24				17.0			

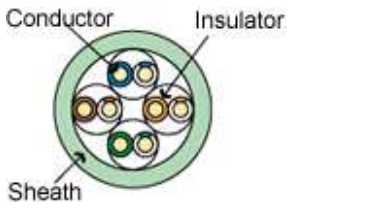
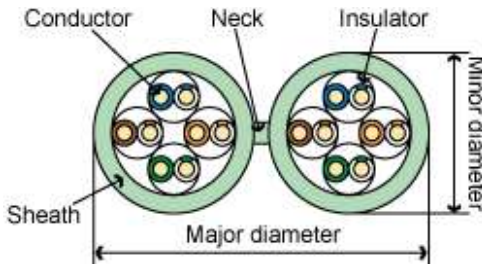
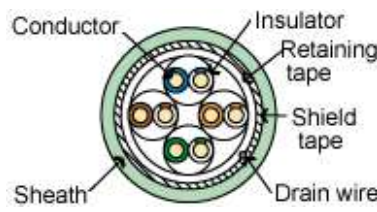
*1 :For numbers of pairs other than these, please consult us separately.

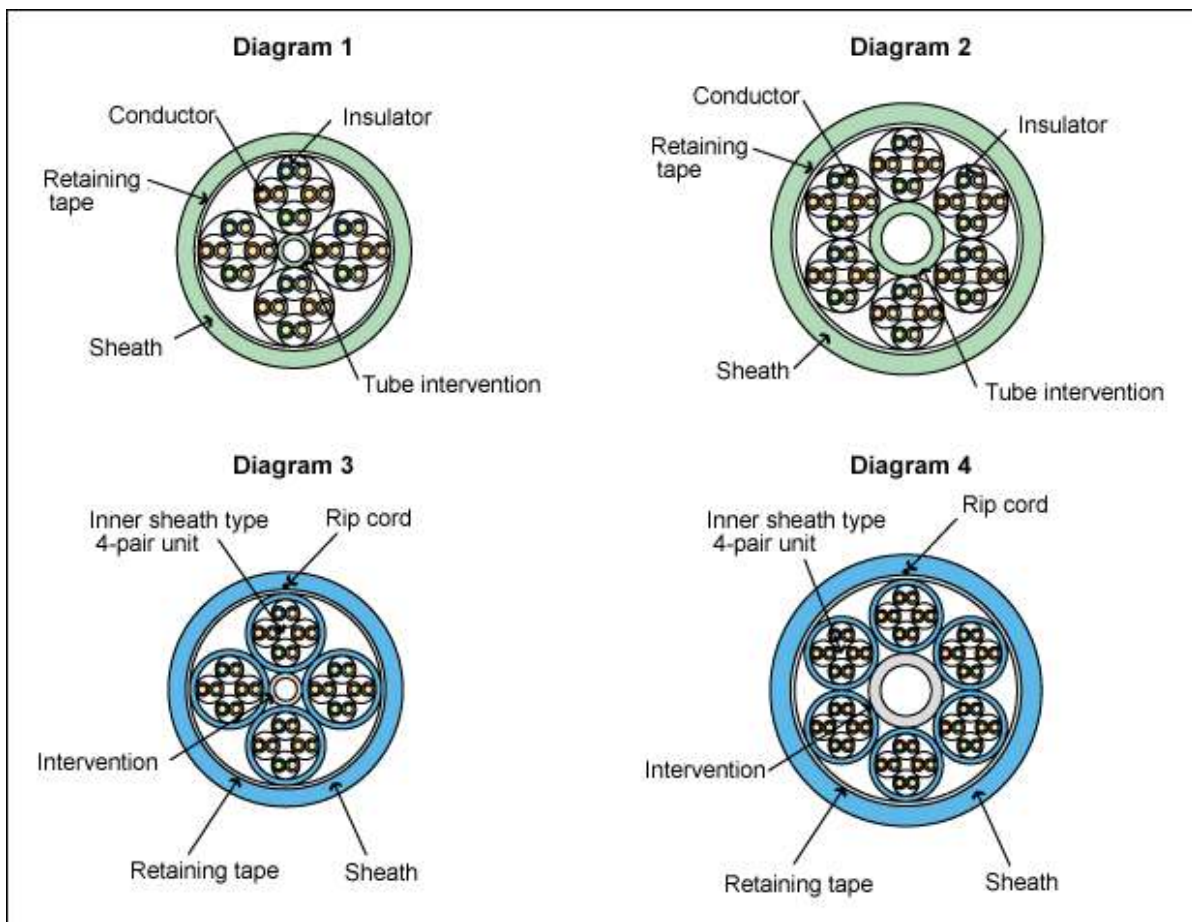
*2 :Minor diameter x major diameter (Refer to following diagram)

*3 :Please specify the color symbol when ordering.

* :We can also make LAP sheath cables for outdoor applications.

Construction diagram

Inner sheath	Shield	4 pairs	8 pairs (Shaped like a figure of 8)	16 pairs	24 pairs
No	No			Fig.1 below	Fig.2 below
	Yes				
Yes	No	—	—	Fig.3 below	Fig.4 below



Cable characteristics table

Frequency (MHz)	IL Standard value dB/100m	IL Typ.	NEXT Standard value	NEXT Typ.	PSNEXT Standard value	PSNEXT Typ.
	(dB/100m)	(dB/100m)	(dB)	(dB)	(dB)	(dB)

1.00	2.04	1.70	65.30	87.92	62.31	80.08
4.00	4.05	3.77	56.27	81.50	53.28	76.53
9.99	6.47	6.03	50.30	71.35	47.31	64.89
19.98	9.27	8.64	45.78	68.80	42.80	60.83
25.01	10.42	9.73	44.33	67.49	41.35	60.33
35.00	12.45	11.70	42.14	62.84	39.15	56.89
59.82	16.62	15.45	38.63	63.24	35.64	54.33
99.90	21.98	20.38	35.30	52.32	32.31	46.65
Frequency (MHz)	ELFEXT Standard value dB/100m	ELFEXT Typ.	PSELFEXT Standard value	PSELFEXT Typ.	RL Standard value	RL Typ.
	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
1.00	63.80	82.29	60.80	71.31	20.00	37.77
4.00	51.6	74.50	48.76	68.03	23.01	39.82
9.99	43.80	60.80	40.80	55.56	25.00	38.67
19.98	37.78	59.31	34.78	51.50	25.00	39.88
25.01	35.84	55.90	32.84	48.93	24.32	40.57
35.00	32.92	52.70	29.92	46.50	23.30	32.76
59.82	28.24	49.46	25.24	37.96	21.67	33.85
99.90	23.80	31.25	20.80	24.93	20.11	32.07

*:The Typ. values are examples of measured values. They vary depending upon the measurement conditions.

Packaged form (4-pair cable)

- A cable can be removed without opening the box.
- Several cables can be wired at the same time without becoming entangled.
- The work efficiency rises, and particularly the cables can be effectively passed through a duct.
- The box can be held by one of the grips, enabling it to be carried about using one hand.

