Product Series	**Flexible 1.27mm pitch Twist Pair Type Oki Flex (Type 4)**	Enactment class	Engineering Dpt.	
		Date of Issue	Aug.26.2005	
		Manager	Check	Design
Alterable Matter		K.Takagi	T.Shiraishi	Y.Kagaya

1. Application

This Specification sheet is the requirements of Flexible 1.27mm pitch Twist Pair Type Oki Flex that complies with UL subject 758 Style 20591.

2. UL

Rating temperature 80 °C
Rating voltage 150 V
Use Internal line of electric machine like computer and office machine

3. Product Series and Product Name

Table 1

Product Series	Product Name
Flexible 1.27mm pitch Twist Pair Type Oki Flex *p-7/0.127 20591. (Type 4)	TPFLEX-N4 *P-7/0.127-250 20591

* : Number of Pair

4. Material

4.1Conductor

Conductor is using JIS C 3152 (Tin coated annealed copper wires)

4.2 Insulator

Insulator is using Heat resistance PVC

5. Structure

Refer to table 2.

6. Characteristic

Refer to table 3

7. Packing

7.1 Standard Length

Standard length is 30.5m.

7.2 Short length

Minimum length :5m .
Splice : Maximum one splice.

7.3 Bobbin

Paper bobbin .

8. Conformity over regulation

This product is RoHS regulation (10 materials) compliant
(Applied from manufacturing on Jun 1, 2018 and list "RoHS2" in a label).

9. Label

The following sentences shall be marked on the label.

a)Product name b) AWG size c) Kind of conductor d) Length
e) Date of production f) Lot number g) Rating temperature and voltage
h) Minimum average thickness i) UL style number j)Production factory name

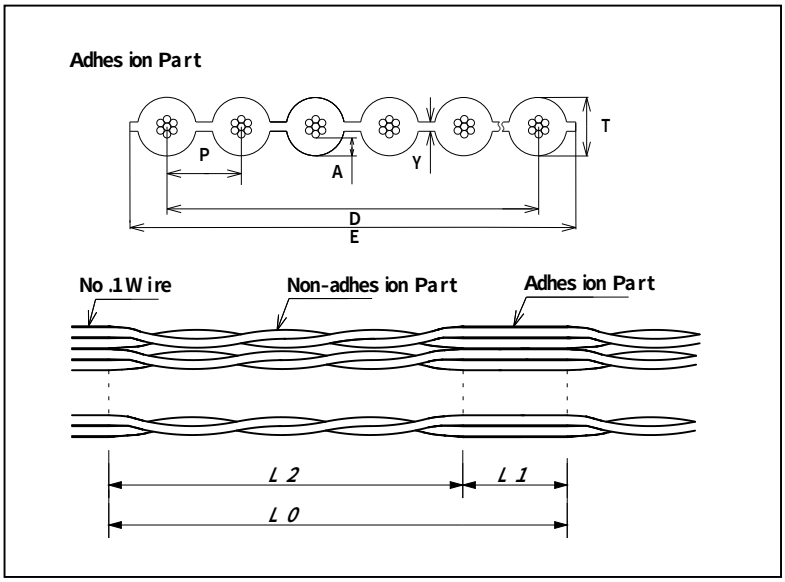
10. Validity

This specifications makes 1 year effective from a drawing presentation day. However, when there is not what proposal from a customer or our company by 3 month front of period expiration, it decides to be extended 1 year in addition. It is done same afterward.

Table 2

Item		Specification
Conductor	Structure pcs/mm	7/0.127 (28AWG)
	Diameter mm	Nominal. 0.38
Insulator	Color	Color arrangement number=4: in the order line from number 1 to 10 as brown ,red ,orange ,yellow ,green blue ,violet , gray ,white ,black ,and the be repeat.
Construction	Structure	Refer to the below figure.

A	≧0.153
P	1.27 (Nominal)
T	0.98 ± 0.07
Y	≧0.153
L0	250(Nominal)
L1	50(Nominal)
L2	200(Nominal)



Number of Pair	Number of Conductor	D	E	Number of Pair	Number of Conductor	D	E
5	10	11.43 ± 0.28	12.70 ± 0.38	17	34	41.91± 0.38	43.18± 0.51
8	16	19.05± 0.28	20.32 ± 0.38	20	40	49.53± 0.38	50.80± 0.51
10	20	24.13 ± 0.28	25.40 ± 0.38	25	50	62.23± 0.38	63.50± 0.51
13	26	31.75 ± 0.38	33.02 ± 0.51	30	60	74.93± 0.38	76.20± 0.51
15	30	36.83± 0.38	38.10 ± 0.51	32	64	80.01± 0.38	81.28± 0.51

(Unit : mm)

Table 3

ITEM		CHARACTERISTIC
ELECTRICAL PERFORMANCE		
	Conductor resistance Ω/Km (20°C)	≦222
	Insulator resistance MΩ Km(20°C)	≧10
	Dielectric Strength V-min	AC1500 (in water-between conductor, between adjoining conductor)
FINISHED PRODUCT PERFORMANCE		
	UL Performance	Comply with UL 20591