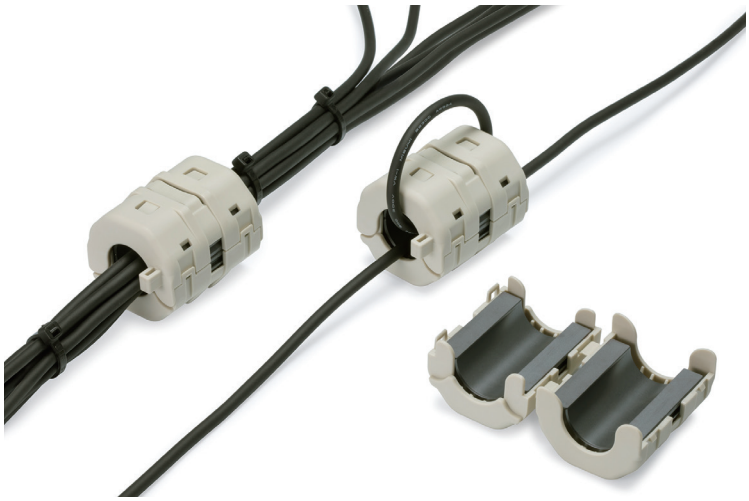
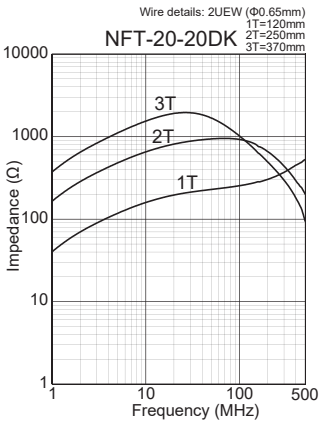
TAKACHI

NFT-20-20DK SLEEVE CORE FERRITE CLAMP

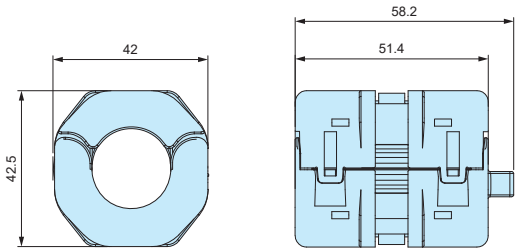
Noise reduction

NEW





- The cable holder has a cable pinch prevention function to prevent loose wires from being clamped when the case is closed.
- Using high-permeability NiZn core achieves improved attenuation properties in low frequency bandwidth.
- It can be fixed in place with the NFTF-20-M4 (optional accessory).



Components

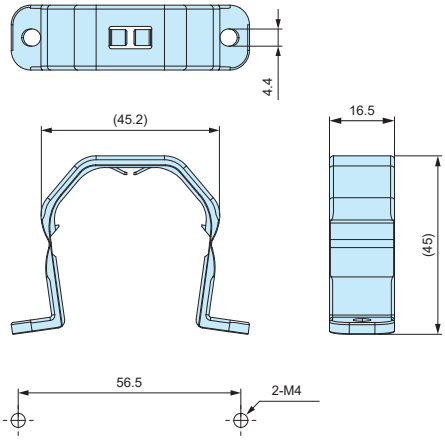
Part name	Pcs	Material	Color
Casing	1	PA (UL94V-0)	Light gray
Split sleeve core	1 set	NiZc ferrite core	Gunmetal

Product no. / Details

Product no.	Min. impedance (Ω)		Max. cable diameter	Weight (g)
	25MHz	100MHz		
NFT-20-20DK	200	260	~Φ20.5, loose wires	181

NFTF-20-M4 FITTING for NFT-20-20DK

NEW



Installation hole dimensions

- Can be fitted in one touch onto the NFT-20-20DK, which can then be fixed with M4 screws / removed.
- With a hinged structure, it can be installed with the wire turned.

Components

Part name	Pcs	Material	Color
Fitting	1	PA (UL94V-0)	Light gray

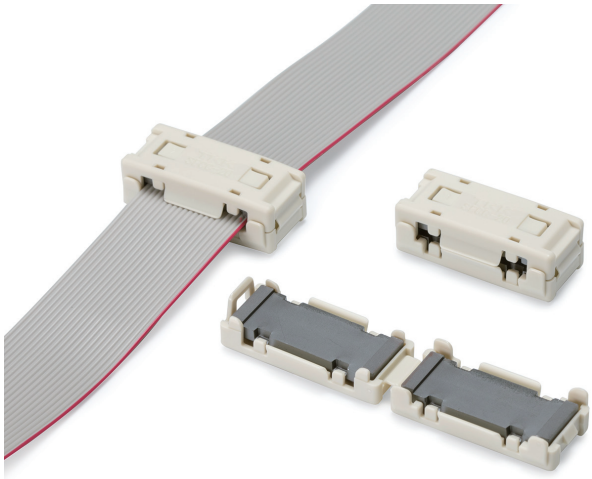
Product no. / Details

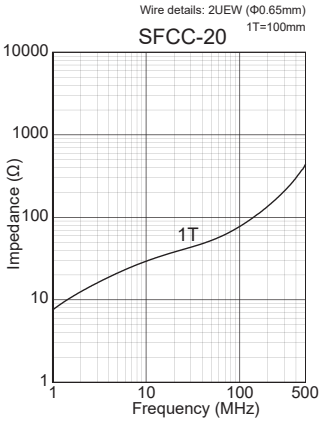
Product no.	Weight (g)
NFTF-20-M4	6.2

SFCC-20 ONE TOUCH SPLIT FLAT CLAMP FERRITE CORE for FLAT CABLES

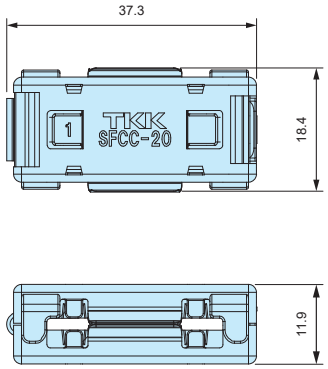
Noise reduction

NEW





- Using high-permeability NiZn core achieves improved attenuation properties in low frequency bandwidth.
- It is designed with a cable pinch prevention function to prevent flat cables from being clamped when the case is closed.



Components

Part name	Pcs	Material	Color
Casing	1	PA (UL94V-0)	Light gray
Flat core	1 set	NiZn ferrite core	Gunmetal

Product no. / Details

Product no.	Min. impedance (Ω)		Compatible cable	Weight (g)
	25MHz	100MHz		
SFCC-20	40	84	Flat cable	17.9

*Use with flat cables with max. width 26.1mm and max. thickness 1.4mm.

CLEAN FERRITE CORE

- Recently, interest towards environmental protection has increased around the world. This has led to the active movement towards restricting the use of substances that are toxic and hazardous to the natural environment as well as to the human body. In particular, the governments and industries of the West have strengthened their policies in reducing environmentally hazardous substances.
  Furthermore, leaking of environmentally hazardous substances from industrial waste treatment facilities has become a major issue in Japan.

CHARACTERISTICS OF CLEAN FERRITE CORE

- Ferrite material which has noise attenuation properties in wide frequency band is used.
- Impedance properties are similar to conventional products.

HARMFUL SUBSTANCES REDUCED

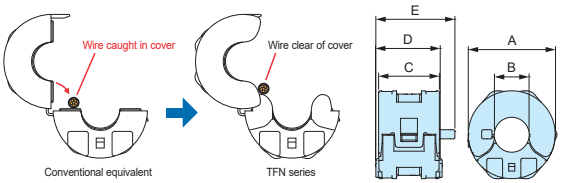
Clean ferrite cores do not contain the following harmful substances.

EACEM Regulation / Ferrite core	Cadmium & its compounds Prohibited substances	Cobalt & its compounds Substances subject to reduction	Nickel & its compounds Substances subject to reduction	Manganese & its compounds Substances subject to reduction
Clean ferrite core	Not contained	Not contained	Not contained	Not contained
NiZn ferrite core	Not contained	Not contained	Contained	Not contained
MnZn ferrite core	Not contained	Not contained	Not contained	Contained

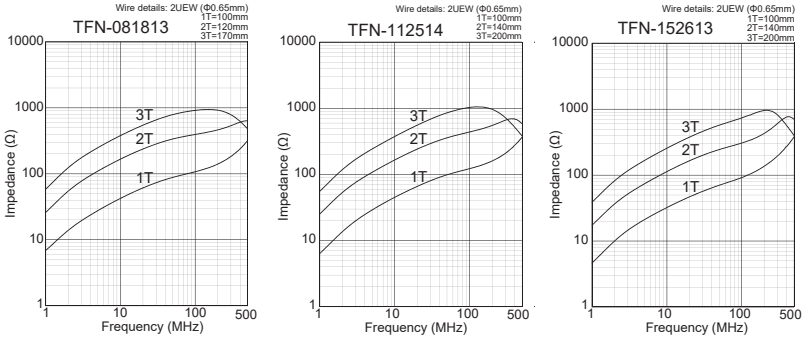
TFN•TFT series ONE-TOUCH SPLIT TOROIDAL CORE FERRITE CLAMP

Noise reduction

- For environmental measures, a clean ferrite core material free of harmful substances are used. (See SFCC-20 for the details.)
- Casing is made using halogen-free PA66 (UL94V-0) material.
- Simple, space-saving construction with optional fittings for installation onto equipment.
- Optional fittings are available in both screw type and adhesive tape type.
- Integrated cable tie band holder allows for easy securing of cable (not available for TFT-274015S model).
- Affordably priced yet being environmentally friendly.



■ Impedance Characteristics



Components

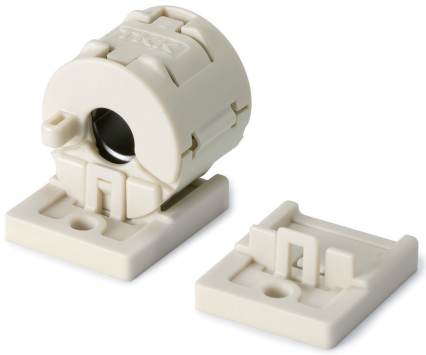
Part name	Pcs	Material	Color
Casing	1	PA66 (UL94V-0)	Light gray
Split toroidal core	1 set	Clean ferrite	Gunmetal

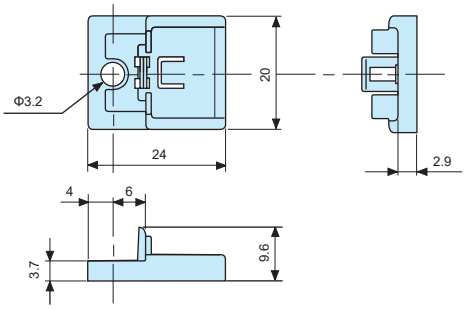
Product no. / Details

Product no.	A	B	C	D	E	Min. impedance (Ω)		Max. cable diameter	Weight (g)
						25MHz	100MHz		
TFN-081610	19.2	7.6	15.1	16.6	19.7	44	82	~Φ 7.5	9
TFN-081813	21.7	8	18	20.1	22.5	66	120	~Φ 7.5	15
TFN-102010	24.1	9.9	15	16.8	19.6	46	90	~Φ 8.8	15
TFN-112514	28.7	11.4	20.2	21.9	25.2	73	125	~Φ10.8	31
TFN-152613	30	15	19.2	21	24.3	52	92	~Φ13.5	26
TFT-274015S	43.8	27.4	20.7	–	–	40	75	~Φ26.5	57

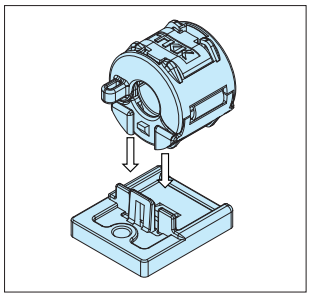
- Impedance values at 1T is shown. Actual measurement data is available for reference.
- Please note that impedance varies based on wire diameter, number of turns, magnetic saturation, and other factors.
- TFT-274015S cannot be attached to optional fittings.

TFB series FITTING for ONE-TOUCH SPLIT TOROIDAL CORE FERRITE CLAMP





How to assemble



Fitting (Screw Type and Adhesive Tape Type)

- Fittings can be easily attached or detached with a single touch. Once installed, it is resistant against multi-directional forces.
- Compact, space-saving construction to minimize overall dimensions.
- Fitting can be installed onto case with cables clamped.
  Case can be opened/closed without removal of the fitting.
- Compatible with TFN series clamp cores.
  *TFB series cannot be used with TFT-274015S.

Product no. / Details

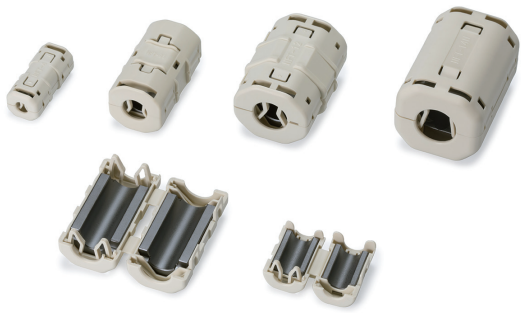
Product no.	Type	Weight (g)
TFB-2024M3	M3 screw type	1.5
TFB-2024A	t1.0 adhesive tape type	2

- Material / Color : PA66 (UL94V-0) / Light gray

NFT series SLEEVE CORE FERRITE CLAMP

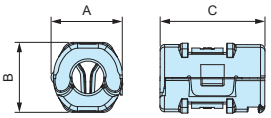
Noise reduction

NEW SIZE

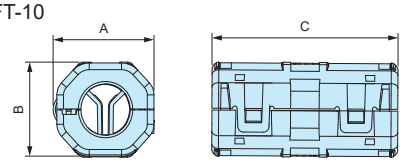


- For environmental measures, a clean ferrite core material free of harmful substances are used. (See SFCC-20 for details.)
- Casing is made using halogen-free PA66 (UL94V-0) material.
- The cable holder is designed in such a way that there will be no damage to the cables when the case is closed.
- The cable holder has a cable pinch prevention function to prevent loose wires from being clamped when the case is closed.
- Affordably priced yet being environmentally friendly.

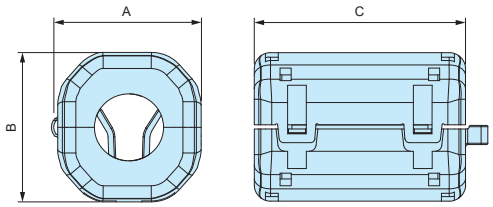
NFT-7S



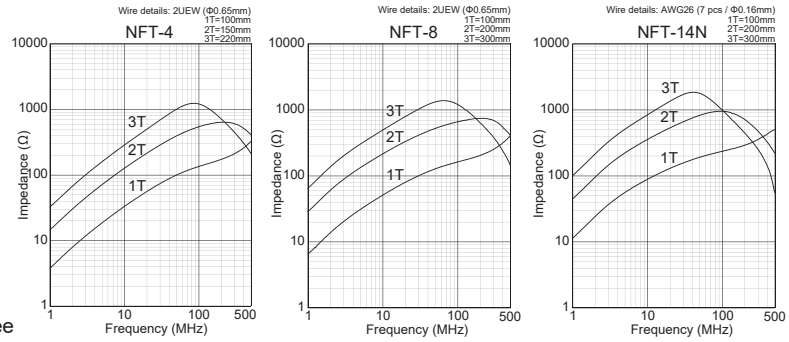
NFT-10



NFT-14N



■ Impedance Characteristics



Components

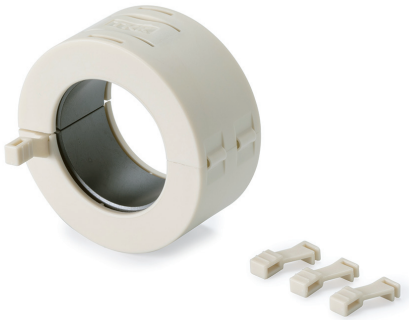
Part name	Pcs	Material	Color
Casing	1	PA (UL94V-0)	Light gray
Split sleeve core	1 set	Clean ferrite	Gunmetal

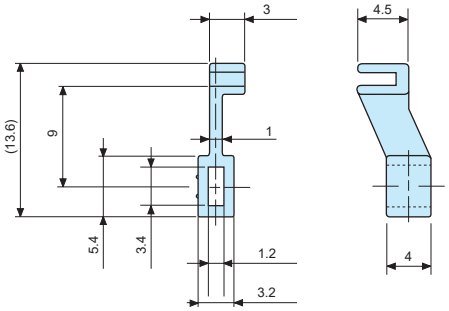
Product no. / Details

Product no.	A	B	C	Min. impedance (Ω)		Max. cable diameter	Weight (g)
				25MHz	100MHz		
NFT- 4	13.7	12.9	29.9	75	155	~ Φ 4.5 or below	8.5
NFT- 6	17.8	15	35.9	100	182	~ Φ 6.5 or below	17.5
NEW NFT- 7S	15.8	15.9	23.4	50	90	~ Φ 7.0 or below	7.8
NFT- 8	21.2	20.8	39.1	95	190	~ Φ 8.5 or below	25.1
NEW NFT- 9S	22.3	22.1	38.4	95	170	~ Φ 9.5 or below	29
NEW NFT-10	22.7	21.3	42	90	175	~ Φ10.5 or below	33.5
NEW NFT-11	34.3	31.8	40.5	188	298	~ Φ11.0 or below	106.5
NFT-12	31.7	27.9	42	100	190	~ Φ12.5 or below	55.3
NEW NFT-13S	31.6	31.2	38.4	115	190	~ Φ13.5 or below	71.5
NEW NFT-14N	32.7	33.5	47.4	145	245	~ Φ14.5 or below	102.5

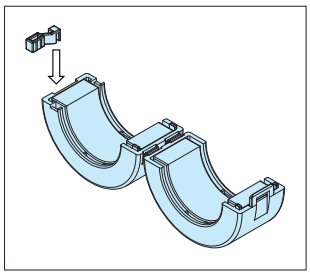
- Impedance values at 1T is shown. Actual measurement data is available for reference.
- Please note that impedance varies based on wire diameter, number of turns, magnetic saturation, and other factors.

FBS-1T CABLE TIE HOLDER for NFT • TFT





■ How to assemble



Cable Tie Holder

- Cable tie holder for clamping cables onto the NFT series or TFT-274015S.
- Usable by either method of first attaching to the wiring cable, or attaching to the core case.
- Easy installation - simply by inserting it into the case notch.
- Compatible with NFT series -8, -10, -11, -12 models, and TFT-274015S.

Product no. / Details

Product no.	Type	Weight (g)
FBS-1T	Cable tie holder	0.1

- Material / color : PA66 (UL94V-0) / Light gray