

Electromagnetic Shield Multiple Cable for anchoring use

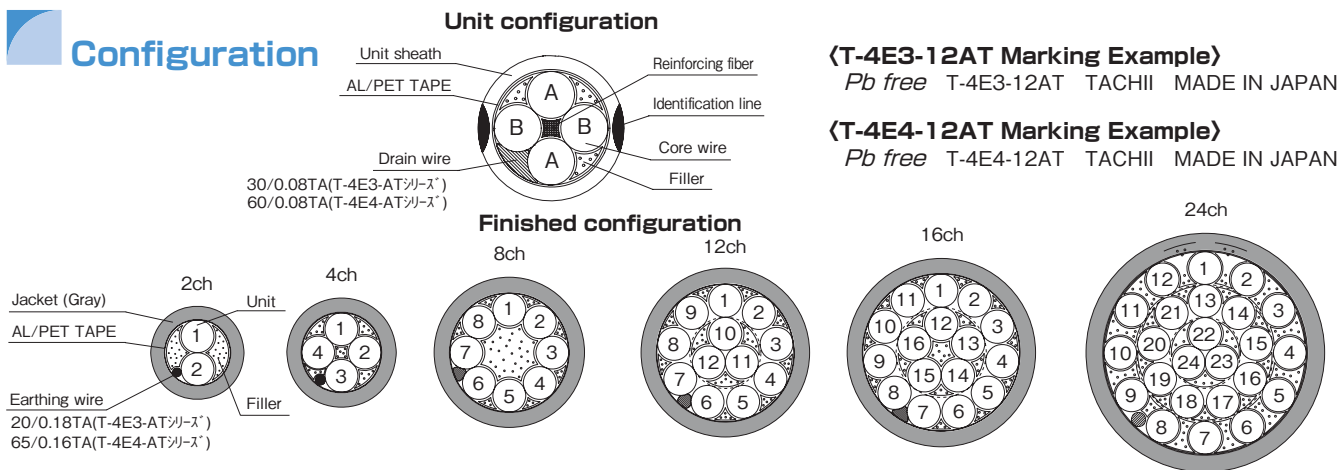
Applications

This audio signal cable is superior in noise protection effect for anchoring use, and compliant to multiple channels.

Features

- TACHII has newly added T-4E3-AT series in our lineup, in addition to the conventional T-4E4-AT series.
- Flexible type PVC has been employed in all series for unit sheath and jacket to make cable more flexible than conventional cables.
- Quad stranded structure has been employed in channel unit for superior noise protection effect. For designing of insulator, the cross-linked polyethylen has been employed, in consideration of better electrical properties and easier soldering workability.
- With AL/PET Tape, each channel unit has been shielded so that the superior crosstalk property has been assured. The influence of inductive noise from power cable, etc. has been minimized by employing AL/PET Tape as bundled shield (with earthing wire).
- Easier unit identification has been materialized by putting color plastic code (10 colors) linearly on both sides in each channel unit sheath (Gray, Black, Blue). The identification has become easier even in the necessary case of the unit sheath must be mostly removed, by changing pair of the core wire color, as 1~10 (White/Blue) 1~20 (White/Sky) 21~24 (White/Orange). In our lineup, in T-4E4-AT series for 16ch, in T-4E3-AT series 24ch.
- Better workability in cable end processing has been materialized by the sheath as well as AL/PET Tape can be removed at the same time on the processing of unit processing.
- TACHII has built Vectran (Kevlar fiber made by Kuraray Co., Ltd. less moisture absorption) as reinforcing fiber in the core of each unit to make sure prevention of cable and conductor disconnection etc. in view of wiring works into distribution pipes.
- For unit sheath and jacket material, TACHII has employed environment-friendly nonleaded type PVC. It is also possible to make ECO type with nonhalogen flame-retardant polyethylen sheath and jacket in addition.

Configuration



Construction Properties

Model	Conductor		Insulator	Unit structure		Layer stranded		Finished cable	Electrical properties		
	Structure	Cross section area		Stranded pitch	O.D.	Pitch	O.D.		O.D.	Conductor resistance	Line capacity
NEW T-4E3-2AT	7/0.12A	0.08 (AWG29)	0.9	17	3.0	60	6.1	8.5	261 max.	112 (1kHz)	
NEW T-4E3-4AT						85	7.4				10.0
NEW T-4E3-8AT						155	10.9				13.7
NEW T-4E3-12AT						190	12.6				15.4
NEW T-4E3-16AT						210	14.3				17.2
NEW T-4E3-24AT						310	18.6				21.8
T-4E4-2AT	16/0.12A	0.18 (AWG25)	1.2	20	3.7	95	7.5	10.5	121 max.	135 (1kHz)	
T-4E4-4AT						110	9.1				12.3
T-4E4-8AT						170	13.5				16.9
T-4E4-12AT						205	15.5				18.9
T-4E4-16AT						245	17.5				20.9

Unit Identification

(Among T-4E3/4E4-AT series, T-4E3-P series, T-4E4SBW-AT series)

ch	Insulator color		sheath color / Line color	ch	Insulator color		sheath color / Line color	ch	Insulator color		sheath color / Line color	ch	Insulator color		sheath color / Line color
	A	B			A	B			A	B			A	B	
1	White	Blue	Gray/Brown	7	White	Blue	Gray/Purple	13	White	Sky	Black/Orange	19	White	Sky	Black/Purple
2	White	Blue	Gray/Red	8	White	Blue	Gray/ —	14	White	Sky	Black/Yellow	20	White	Sky	Black/ —
3	White	Blue	Gray/Orange	9	White	Blue	Gray/Blue	15	White	Sky	Black/Green	21	White	Orange	Blue/Brown
4	White	Blue	Gray/Yellow	10	White	Blue	Gray/Black	16	White	Sky	Black/Blue	22	White	Orange	Blue/Red
5	White	Blue	Gray/Green	11	White	Sky	Black/Brown	17	White	Sky	Black/Purple	23	White	Orange	Blue/Orange
6	White	Blue	Gray/Blue	12	White	Sky	Black/Red	18	White	Sky	Black/Gray	24	White	Orange	Blue/Orange

NEW Electromagnetic Shield Multiple Cable for Mobile use

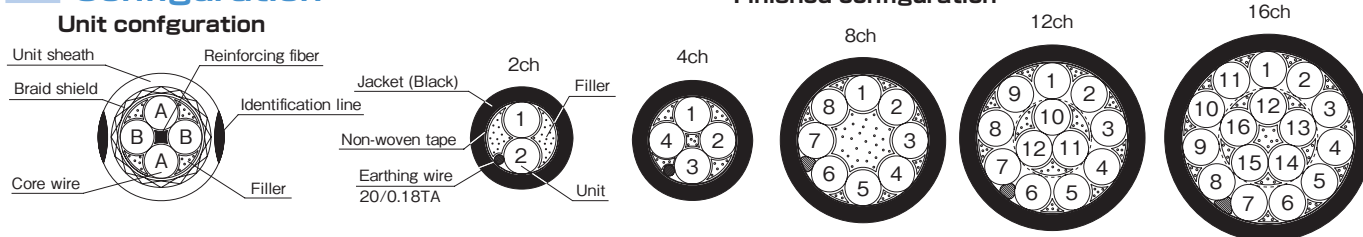
Applications

Audio signal cable superior in noise protection effect for mobile use, compliant to multiple channel.

Features

- For insulator, more flexible cross-linked polyethylene has been employed. Easy soldering processing available.
- For each channel unit sheath, flexible type PVC, hardy against curl-habit, and for shield, high density braid shield with 0.08mm thin Tin plated conductor have been respectively employed so that most suitable design has been set and leads to flexibility rich as cable and mobile purpose applications.
- The color combination for each channel insulator, unit sheath and identification line is same with T-4E3 -AT series and therefore unit can be easily identified.(Refer to Unit Identification Table on Page 31)
- For unit sheath and jacket material, TACHII has employed environment-friendly nonleaded type PVC.

Configuration



Construction·Properties

Model	Conductor		Insulator	Unit structure				Layer stranded		Finished cable		Electrical properties	
	Structure Wires/mm	Cross section area mm ²		Stranded pitch mm	Shield (Braid)		O.D. mm	Pitch mm	O.D. mm	O.D. mm	Weight approx. kg/100m	Conductor resistance Ω/km	Line capacity pF/m
					Structure Spindles/Wires/mm	Density %							
T-4E3-2P	7/0.12A	0.08 (AWG29)	0.9	16	24/6/0.08TA	95	3.35	90	6.9	8.9	8.7	261 max.	115 (1kHz)
T-4E3-4P								110	8.3	10.9	14.3		
T-4E3-8P								225	12.3	15.3	25.8		
T-4E3-12P								190	14.1	17.3	35.6		
T-4E3-16P								225	16.0	19.2	44.6		

NEW Ultra High Protection Electromagnetic Shield Multiple Cable

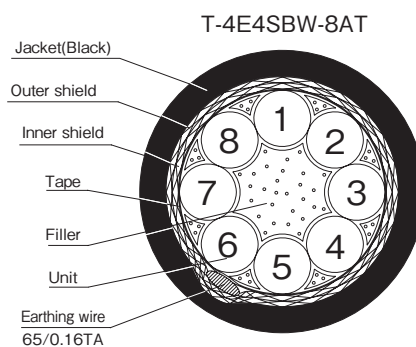
Applications

Audio signal cable specialized for ultra high protection type for anchoring use only.

Features

- For bundled shield, high density double braid has been employed, TACHII has drastically materialized inductive noise influences from power cable and humming noise etc. (with earth wire)
- The color combination for each channel unit structure and identification line is same with T-4E4-AT series, and therefore unit can be easily identified. (Refer to Unit Identification Table on Page 31)
- For unit sheath and jacket material, Tachii has employed environment-friendly nonleaded type PVC. It is also possible to make ECO type more environment-friendly with nonhalogen flame-retardant polyethylen sheath and jacket.

Configuration



Construction·Properties

Model	Conductor		Insulator	Unit structure		Layer stranded		Inner shield(Braid)		Outer shield(Braid)		Finished cable O.D. mm	Electrical properties	
	Structure Wires/mm	Cross section area mm ²		Stranded pitch mm	O.D. mm	Pitch mm	O.D. mm	Structure Spindles/Wires/mm	Density %	Structure Spindles/Wires/mm	Density %		Conductor resistance Ω/km	Line capacity pF/m
T-4E4SBW-4AT	16/0.12A	0.18 (AWG25)	1.2	20	3.7	91	9.1	24/8/0.14TA	85	24/9/0.14TA	85	13.7	121 max.	135 (1kHz)
T-4E4SBW-8AT						170	13.5	24/9/0.16TA	85	24/10/0.16TA	85	18.5		
T-4E4SBW-16AT						245	17.5	24/10/0.18TA	87	24/10/0.18TA	84	23.0		