

# Electromagnetic Shield Microphone Cable

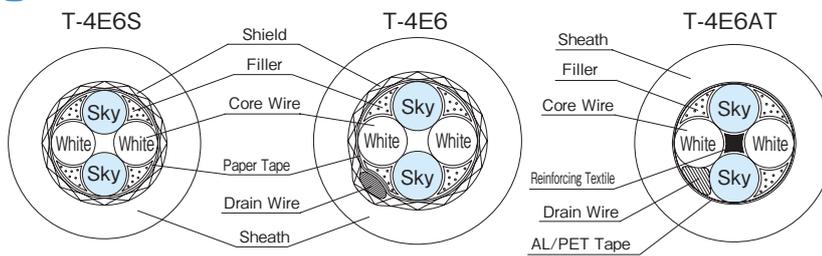
## Applications

T-4E5S·T-4E6S for mobile use microphone cable, T-4E5AT·T-4E6AT for anchoring use microphone cable. It is possible to select T-4E5·T-4E6 both for mobile and anchoring use, as drain wire is built-in.

## Features

- Quad stranded structure has been employed for superior noise protection effect. In view of electrical property and work management, cross-linked polyethylene has been employed for insulation.
- Nonleaded type PVC, hardy against curl-habit, has been employed in T-4E5S·T-4E6S, thin O.D. 0.08mm structural conductor has been also employed in our design to add flexibility so that it becomes best choice for customers for mobile use. T-4E5·T-4E6, drain wire built-in, have been newly included this time in our lineup.
- For T-4E5AT·T-4E6AT, Vectran(Kevlar fiber made by Kuraray Co., Ltd. less moisture absorption) has been employed as reinforcing fiber at the core to make sure prevention of conductor disconnection by tension load when wiring into pipes.
- For sheath materials, TACHII has employed environment-friendly nonleaded type PVC. It is also possible to make ECO type T-4E5·T-4E6·T-4E5AT·T-4E6AT with more environment-friendly nonhalogen flame-retardent polyethylene sheath in addition.

## Configuration



| Model                                      | Sheath color for identification   |
|--|---|
| T-4E5S<br>T-4E5AT, T-4E6AT<br>T-4E5, T-4E6 | Black ● Gray ●  |
| T-4E6S                                     | Black ● Gray ● Red ● Green ● Blue ●<br>White ● Yellow ● Brown ● Orange ● Purple ● |

## Construction Properties

| Model            | Conductor             |  | Insulator<br>O.D.<br>mm | Drain wire<br>Structure<br>Wires/mm | Layer stranded |            | Shield      |                                |              | Finished cable |                              | Electrical properties           |                       |
|------------------|-----------------------|--|-------------------------|-------------------------------------|----------------|------------|-------------|--------------------------------|--------------|----------------|------------------------------|---------------------------------|-----------------------|
|                  | Structure<br>Wires/mm | Cross<br>section<br>space<br>mm <sup>2</sup> |                         |                                     | Pitch<br>mm    | O.D.<br>mm | Method      | Structure<br>Spindles/Wires/mm | Density<br>% | O.D.<br>mm     | Weight<br>approx.<br>kg/100m | Conductor<br>resistance<br>Ω/km | Line capacity<br>pF/m |
| T-4E5S           | 30/0.08A              | 0.15<br>(AWG26)                              | 1.12                    | —                                   | 17             | 2.73       | Braid       | 16/8/0.1TA                     | 96           | 4.8            | 3.3                          | 136 max.                        | *132                  |
| T-4E6S           | 40/0.08A              | 0.20<br>(AWG25)                              | 1.38                    | —                                   | 19             | 3.4        | Braid       | 16/8/0.1TA                     | 95           | 6.0            | 4.8                          | 102 max.                        | *130                  |
| <b>NEW</b> T-4E5 | 30/0.08A              | 0.15<br>(AWG26)                              | 1.12                    | 45/0.08TA                           | 17             | 2.73       | Braid       | 16/8/0.1TA                     | 96           | 4.8            | 3.5                          | 136 max.                        | *132                  |
| <b>NEW</b> T-4E6 | 45/0.08A              | 0.22<br>(AWG24)                              | 1.55                    | 57/0.08TA                           | 23             | 3.85       | Braid       | 16/8/0.12TA                    | 95           | 6.5            | 6.0                          | 90.3 max.                       | *116                  |
| T-4E5AT          | 16/0.12A              | 0.18<br>(AWG25)                              | 1.20                    | 60/0.08TA                           | 20             | 3.0        | AL/PET tape | —                              | 100          | 5.0            | 3.3                          | 121 max.                        | *135                  |
| T-4E6AT          | 12/0.18A              | 0.31<br>(AWG23)                              | 1.55                    | 16/0.18TA                           | 25             | 3.85       | AL/PET tape | —                              | 100          | 6.2            | 4.8                          | 62.9 max.                       | *142                  |

\*1kHz

# Speaker Cable

## Applications

For many purposes as broadcastings, Music Halls, etc.

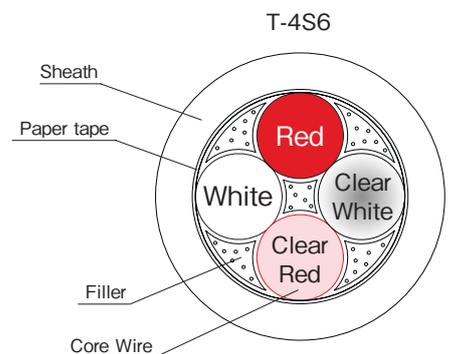
## Features

- Quad stranded structure for superior noise protection effect. Assured insulation and stable electrical properties by employing superior dielectric constant and low density polyethylene for insulator.
- T-4S6 has been designed to comply with XLR Connector made by ITT Cannon and Neutrik.
- For sheath materials, TACHII has employed environment-friendly nonleaded type PVC. It is also possible to make ECO type environment-friendly with nonhalogen flame-retardant polyethylene sheath in addition.
- To prevent false recognition with microphone cable, the line marking is employed (Refer to example)

### <T-4S6 Marking Example>

——— Pb free T-4S6 TACHII MADE IN JAPAN ———

## Configuration



| Model                    | Sheath color for identification |
|--------------------------|---------------------------------|
| T-4S6<br>T-4S8<br>T-4S11 | Black ● Gray ●                  |

## Construction Properties

| Model  | Conductor             |   | Insulator<br>O.D.<br>mm | Layer stranded |            | Finished cable |                              | Electrical properties           |                       |
|--------|-----------------------|---|-------------------------|----------------|------------|----------------|------------------------------|---------------------------------|-----------------------|
|        | Structure<br>Wires/mm | Cross<br>section<br>area<br>mm <sup>2</sup> |                         | Pitch<br>mm    | O.D.<br>mm | O.D.<br>mm     | Weight<br>approx.<br>kg/100m | Conductor<br>resistance<br>Ω/km | Line capacity<br>pF/m |
| T-4S6  | 20/0.18A              | 0.51×2 cores                                | 1.95                    | 45             | 4.85       | 6.5            | 4.9                          | 37.8 max.                       | * 120                 |
| T-4S8  | 50/0.18A              | 1.27×2 cores                                | 2.50                    | 68             | 6.15       | 8.3            | 9.7                          | 15.1 max.                       | * 145                 |
| T-4S11 | 41/0.26A              | 2.18×2 cores                                | 3.30                    | 100            | 8.1        | 10.7           | 15.8                         | 8.92 max.                       | * 150                 |

\*1kHz