

# NEW Power Cable for Broadcasting

(<PS>E Conforming Products to Electrical Appliances & Material Safety Act)

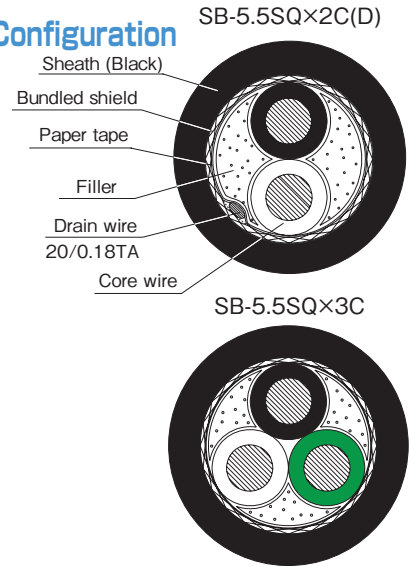
## Applications

Power cable with bundled shield, specialized for broadcasting stations and audio/video devices.  
(Rated temperature : 60°C, Rated voltage AC600V or DC750V, <PS> E Conforming product)

## Features

- Conforming to Electrical Appliances and Material Safety Act, <PS>E is marked on the cable surface.
- On high capacitance power distribution, inductive noise to the environment is minimized by making cable with bundled shield.
- For 2-cores type, equivalent to 0.5mm<sup>2</sup> drain wire is built-in for bundled shield in view of terminal processing workability.
- TACHII has more safely designed for heating on power distribution by employing flame-retardant and heat-resistant PVC for insulator and sheath material.
- For sheath, non-migrated (against ABS and polystyrol resin) PVC has been employed, therefore it is possible to use under any kind of environment.
- For insulator and sheath material, nonleaded type PVC has been employed in view of environment-friendly. It is also possible to make ECO type with environment-friendly nonhalogen flame-retardant insulator and sheath, provided that ECO type is not conforming to Electrical Appliances & Material Safety Act.

## Configuration



## Construction Properties

| Model          | Conductor          |                                    | Insulator | Layer stranded |          |             | Bundled shield(Braid)       |           |         | Finished cable |                        | Conductor resistance Ω/km | Allowable current(A)※1   |                          |
|----------------|--------------------|------------------------------------|-----------|----------------|----------|-------------|-----------------------------|-----------|---------|----------------|------------------------|---------------------------|--------------------------|--------------------------|
|                | Structure Wires/mm | Cross section area mm <sup>2</sup> |           | O.D. mm        | Pitch mm | O.D. mm     | Structure Spindles/Wires/mm | Density % | O.D. mm | O.D. mm        | Weight approx. kg/100m |                           | Ambient temperature 20°C | Ambient temperature 40°C |
| SB-2.0SQ×2C(D) | 37/0.26TA          | 1.96                               | 3.45      | 69             | 7.05     | 24/8/0.12TA | 81                          | 7.6       | 11.3    | 17.3           | 10.2 max.              | 25.6                      | 21.6                     |                          |
| SB-3.5SQ×2C(D) | 45/0.32TA          | 3.61                               | 4.1       | 82             | 8.3      | 24/8/0.14TA | 82                          | 9.0       | 12.8    | 23.9           | 5.54 max.              | 37.7                      | 31.9                     |                          |
| SB-5.5SQ×2C(D) | 70/0.32TA          | 5.62                               | 5.1       | 102            | 10.4     | 24/8/0.14TA | 81                          | 11.2      | 15.3    | 33.7           | 3.56 max.              | 51.5                      | 43.5                     |                          |
| SB-8.0SQ×2C(D) | 50/0.45TA          | 7.95                               | 6.1       | 122            | 12.4     | 24/9/0.16TA | 81                          | 13.2      | 17.6    | 44.5           | 2.52 max.              | 65.6                      | 55.4                     |                          |
| SB-2.0SQ×3C    | 37/0.26TA          | 1.96                               | 3.45      | 77             | 7.6      | 24/8/0.12TA | 81                          | 8.2       | 11.9    | 20.4           | 10.2 max.              | 22.4                      | 19.0                     |                          |
| SB-3.5SQ×3C    | 45/0.32TA          | 3.61                               | 4.1       | 94             | 9.0      | 24/8/0.14TA | 81                          | 9.7       | 13.6    | 28.9           | 5.54 max.              | 33.1                      | 28.0                     |                          |
| SB-5.5SQ×3C    | 70/0.32TA          | 5.62                               | 5.1       | 115            | 11.1     | 24/9/0.14TA | 81                          | 11.8      | 16.0    | 40.6           | 3.56 max.              | 45.2                      | 38.2                     |                          |
| SB-8.0SQ×3C    | 50/0.45TA          | 7.95                               | 6.1       | 140            | 13.3     | 24/9/0.16TA | 81                          | 14.1      | 18.6    | 55.4           | 2.52 max.              | 57.6                      | 48.7                     |                          |

※1 Allowable current shows the value when the current is applied to all core wires.

# NEW Hybrid Power Cable for Broadcasting

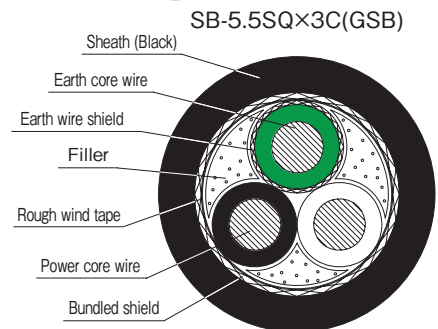
## Applications

Special power cable with bundled shield specialized for broadcasting stations and audio/video devices.  
(Rated temperature : 60°C, Rated voltage AC600V or DC750V, <PS> E Nonconforming product)

## Features

- New structure has been employed, consisting of the earth wire (green) with high density braid shield to make contact with bundled shield so that noise influence, to earth wire, generated by power source side (White and Black) can be greatly minimized.
- The inductive noise to the environment is minimized with bundled shield even on applying high capacitance current.
- For insulator, sheath materials, TACHII has safely designed against when applying current, by employing flame-retardant and heat resistant, PVC.
- For sheath, TACHII has employed non-migrated PVC (against ABS, polystyrol resin), this cable can be employed in almost every terrestrial environment.
- For insulator, sheath material, TACHII has employed environment-friendly nonleaded type PVC. It is also possible to make ECO type environment-friendly in addition.
- Please be careful when choosing, as this series and ECO type are not conforming to Electrical Appliances & Material Safety Act.

## Configuration



## Construction Properties

| Model            | Conductor          |                                    | Insulator | Earth wire shield (Braid) |                             | Layer stranded |          | Bundled shield(Braid) |                             |           | Finished cable |         | Conductor resistance Ω/km | Allowable current(A)※2 |                          |
|------------------|--------------------|------------------------------------|-----------|---------------------------|-----------------------------|----------------|----------|-----------------------|-----------------------------|-----------|----------------|---------|---------------------------|------------------------|--------------------------|
|                  | Structure Wires/mm | Cross section area mm <sup>2</sup> |           | O.D. mm                   | Structure Spindles/Wires/mm | Density %      | Pitch mm | O.D. mm               | Structure Spindles/Wires/mm | Density % | O.D. mm        | O.D. mm |                           | Weight approx. kg/100m | Ambient temperature 20°C |
| SB-2.0SQ×3C(GSB) | 37/0.26TA          | 1.96                               | 3.45      | 24/5/0.12TA               | 90                          | 82             | 8.0      | 24/8/0.12TA           | 81                          | 8.6       | 12.4           | 22.6    | 10.2 max.                 | 25.6                   | 21.6                     |
| SB-3.5SQ×3C(GSB) | 45/0.32TA          | 3.61                               | 4.1       | 24/6/0.12TA               | 90                          | 97             | 9.35     | 24/8/0.14TA           | 81                          | 10.1      | 14.1           | 32.6    | 5.54 max.                 | 37.7                   | 31.9                     |
| SB-5.5SQ×3C(GSB) | 70/0.32TA          | 5.62                               | 5.1       | 24/7/0.12TA               | 90                          | 120            | 11.5     | 24/9/0.16TA           | 82                          | 12.3      | 16.6           | 44.5    | 3.56 max.                 | 51.5                   | 43.5                     |

※2 Allowable current shows the value when the current is applied to core wire (black, white) except earth wire (green).