

Bundled Shield Multipair Data Cable

Applications

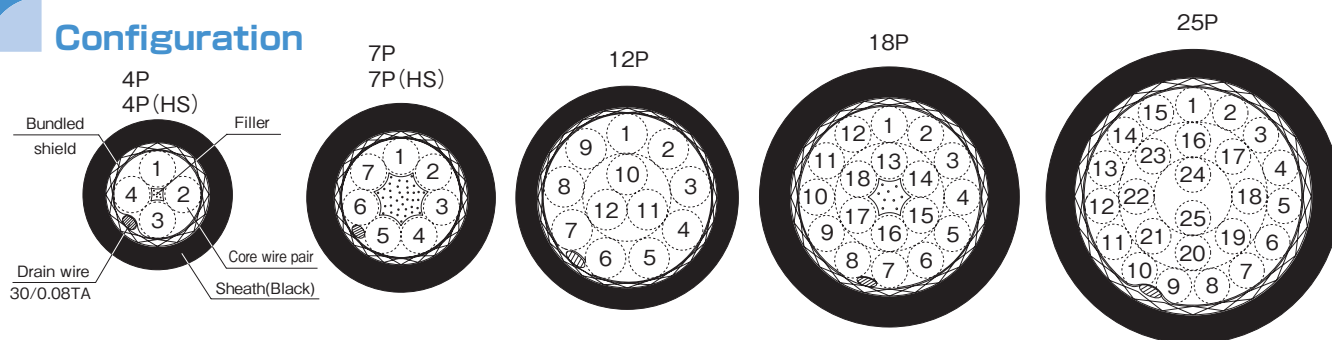
Best choice for data communication control between video·audio devices and among general devices.

(Examples) RS422, RS485, RS232C etc.

Features

- The color codes and dots/dashes have been employed for core wire identification, therefore, it becomes possible to prevent of faulty wiring based on misinterpretation.
- In consideration of soldering workability, TACHII has employed cross-linked polyethylene for insulator, and in view of better cable management, TACHII has employed the superior flexible PVC for cable sheath (Standard type).
- In 4P, 7P, TACHII has also prepared HS type employing high slipping property PVC as sheath, in view of wiring/inserting works to duct etc.
- By setting different twisted pitch of twisted pair nearby, more stable communication control has become available as a result of widely minimizing cross-talk noise happened between one twisted pair to all another twisted pairs. (Refer to Core Wire Identification)
- As sheath materials, TACHII has employed nonleaded type PVC, environment-friendly. It is also possible to make ECO type cable with nonhalogen flame-retardant polyethylene sheath.

Configuration



〈4P Standard type Marking Example〉

Pb free Data Cable 02TA-4P TACHII MADE IN JAPAN

〈4P(HS) type Marking Example〉

Pb free Data Cable 02TA-4P TACHII MADE IN JAPAN

Construction·Properties

Model	Conductor		Insulator	Unit structure		Bundled shield(Braid)		Finished cable		Electrical properties			
	Structure Wires/mm	Cross section area mm²	O.D. mm	Twisted pitch mm	O.D. mm	Structure Spindles/Wires/mm	Density %	O.D. mm	Weight approx. kg/100m	Conductor resistance Ω/km	Line capacity pF/m	Characteristic impedance Ω	Attenuation dB/km
Data Cable 02TA-4P	7/0.18TA	0.18 (AWG25)	1.0	Refer to Core Wire Identification	2.0	24/7/0.12TA	91	6.5	6.3	121 max.	55 (1kHz)	95 (1MHz)	27 (1MHz)
Data Cable 02TA-4P(HS)													
Data Cable 02TA-7P													
Data Cable 02TA-7P(HS)													
Data Cable 02TA-12P													
Data Cable 02TA-18P													
Data Cable 02TA-25P													

Core Wire Identification

Pair	Twisted pitch mm	Insulator/Dot (Color)	Pair	Twisted pitch mm	Insulator/Dot (Color)	Pair	Twisted pitch mm	Insulator/Dot (Color)	Pair	Twisted pitch mm	Insulator/Dot (Color)
1P	37	Brown White	8P	37	Gray White	15P	29	Green White	22P	31	Red White
2P	31	Red White	9P	31	White White	16P	31	Blue White	23P	37	Orange White
3P	37	Orange White	10P	37	Black White	17P	37	Purple White	24P	41	Yellow White
4P	31	Yellow White	11P	31	Brown White	18P	31	Gray White	25P	29	Green White
5P	37	Green White	12P	41	Red White	19P	37	White White			
6P	31	Blue White	13P	37	Orange White	20P	31	Black White			
7P	41	Purple White	14P	31	Yellow White	21P	37	Brown White			