

RS422 Communication Composite Cable

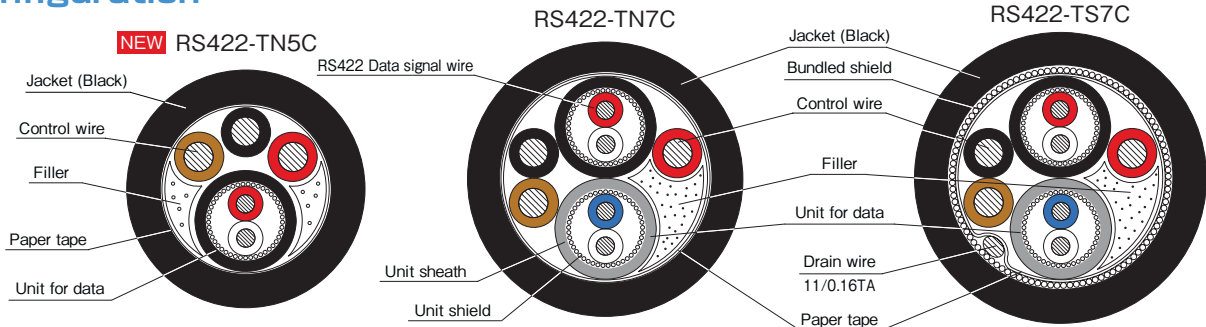
Applications

Composite cable for short distance with RS422 specification in use of broadcasting station with VTR remote emitter.

Features

- In the unit for data signal, TACHII has newly included 1-channel type RS422-TN5C in our line up so that customers can expand the scope of choice available.
- Cross-linked polyethylene has been employed in insulator for data signal unit, so that stripping and soldering work can be easily done.
- TACHII has employed spiral shield as data unit shield to make terminal treatment easy on D-Sub processing.
- Anti-noise property has been increased in RS422-TS7C by employing bundled spiral shield.
- TACHII has employed UL Standard AWM Style 20002 for all series to observe UL Standard.
- TACHII has employed environment-friendly nonleaded type PVC for control wire insulation, unit sheath, jacket materials.

Configuration



Construction·Properties

Model	Data unit					Control wire			Bundled shield	Finished cable		Electrical properties				
	Conductor		Insulator	Shield	Sheath	Conductor		Insulator		Structure Wires/mm (Shield density)	O.D. mm	Weight approx. kg/100m	Conductor resistance Ω/km		Data unit	
	Structure Wires/mm	Cross section area mm ²	O.D. mm	Structure Wires/mm (Shield density)	O.D. mm	Structure Wires/mm	Cross section area mm ²	O.D. mm	Data				Control	1kHz	1MHz	Attenuation dB/100m
RS422-TN5C									—	5.7	3.8					
RS422-TN7C	7/0.127TA	0.09 (AWG28)	0.88	42±5/0.1TA (90%)	2.5	11/0.16TA	0.22 (AWG24)	1.24	—	6.6	5.2	242 max.	88.3 max.	54	110±10	1.4
RS422-TS7C									103±5/0.14TA (93%)	7.0	7.3					

NEW DMX Cable

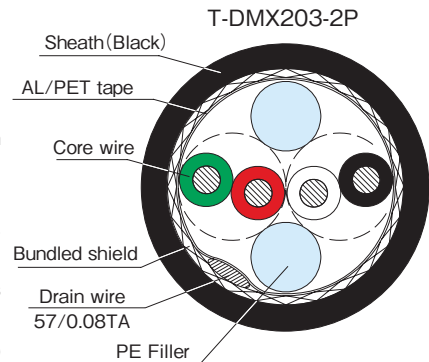
Applications

Acting devices control cable, for dimming etc. of stage lighting console compliant to United States Institute for Theatre Technology (USITT) DMX512-A Standard.

Features

- TACHII has improved the durability of cable under high temperature conditions on dimming/lighting devices use by employing flame-retardant and heat-resistant PVC as sheath material. TACHII has designed for high flame-retardant and also safely passed UL Standard VW-1 Flame Test.
- This cable has 0.3mm² equivalent drain wire built-in to make terminal processing easily. As insulator, TACHII has also employed cross-linked polyethylene excellent effect in soldering.
- This cable management is very good, employing Tin-plated Annealed Copper Wire 44 wires as conductor, high slipping property PVC as sheath material.
- To make DMX signal transmission safely, TACHII has employed PE rod configuration to keep characteristic impedance 110Ω. That is why this cable is excellent in characteristic transmission together with high density braid and AL/PET Tape for high shield material.
- As sheath material, TACHII has employed environment-friendly nonleaded type PVC and it is possible to make ECO type cable with nonhalogen flame-retardant polyethylene sheath.

Configuration



Construction·Properties

Model	Conductor		Insulator	Layer stranded	Bundled shield(Braid)			Finished cable		Electrical properties		
	Structure Wires/mm	Cross section area mm ²	O.D. mm	Pitch mm	Structure Spindles/Wires/mm	Density %	O.D. mm	O.D. mm	Weight approx. kg/100m	Conductor resistance Ω/km	Characteristic impedance Ω	Attenuation dB/100m
T-DMX203-2P	44/0.10TA	0.35 (AWG22)	1.63	87	24/10/0.10TA	95	6.5	7.9	7.5	62.5max.	110±10	0.95