

CABLE SPECIFICATION

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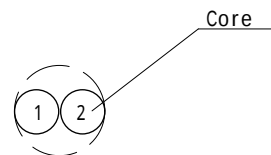
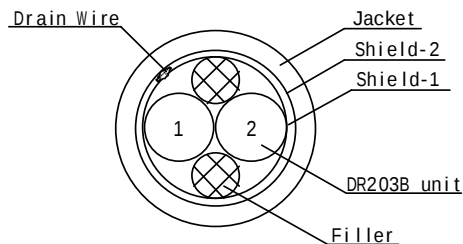


Model DMX 2 0 3 - 2 P Ver1.1
 Applications USITT-DMX-512,JATTET-L-3010 Cable for Controlling Lighting Equipment and Accessories.
 EIA-RS-422,EIA-RS-485 Control Cable.

Physical Characteristics	Units	Specified value	Remarks
No. of Cond.		4	2 Pairs
Conductor	Structure	mm/qty (mil/)	TA0.10/44 (3.94/)
	Nom.Cross Section Area	mm ² (mil ²)	0.35 (542.5)
	Outer Diameter	mm (mil)	0.77 (30.31)
Insulation	Type	XLPE	XLPE:Crosslinked Polyethylene
	Thickness	mm (mil)	0.43 (16.93)
	Outer Diameter	mm (Inch)	1.63 (0.064)
Pair/Quad Strand	Pitch	mm (Inch)	<= 25.0 (<=0.98)
Inner Jacket	Overall Diameter	mm (Inch)	3.3 (0.13)
	Type	-	-
	Thickness	mm (mil)	-
Overall Tape	Thickness	mm (mil)	-
Shield-1	Type	mm/ends/carr(mil/)	Aluminum foil
	Thickness	mm (mil)	0.03 (1.18)
	Coverage	%	100
Shield-2	Type	mm/ends/carr(mil/)	TA0.10/10/24 (3.94/)
	Thickness	mm (mil)	-
	Coverage	%	>94
Jacket	Type	PVC	Color:Black,Gray,White
	Thickness	mm (mil)	0.8 (31.50)
	Overall Diameter	mm (Inch)	7.9 (0.31)
	Marking	DMX203-2P CANARE <Year code> MADE IN JAPAN	
Weight	kg/100m(lbs/1000ft)	7.9 (53.1)	

Cable Cross Section

Unit



Channel Color Code ; Insulator<ex. RED•WHT>

1	2	3	4	5	6	7	8	9	10
BLK•WHT	RED•GRN								
1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9	2 0
2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	3 0
3 1	3 2	3 3	3 4	3 5	3 6	3 7	3 8	3 9	4 0

Electrical Characteristics (Nominal)	Units	Specified value	Remarks
Rated Voltage	AC Vrms	60	
Rated Current	A	-	
D.C.Resistance	Conductor	$\Omega/100m$ (/1000ft)	<= 6.0 (<=18.3)
	Shield	$\Omega/100m$ (/1000ft)	<= 1.1 (<=3.4)
Voltage Withstanding	VAC•1min	500 (500)	
Insulation Resistance	M Ω •km (•3000ft)	>= 1000 (>=1000)	
Char. Impedance	Ω at 125kHz	110 $\pm$ 10	
Capacitance	Cond. / Cond.	pF/m (pF/ft)	-
	Cond. / Shield	pF/m (pF/ft)	-
Attenuation		dB/100m (/1000ft)	-
Mechanical Characteristics (Nominal)	Dimensions	Specified value	Remarks
Tensile Strength	Jacket	MPa	>= 11.0
		%	>= 220
Environment Characteristics (Nominal)	Dimensions	Specified value	Remarks
Operating Temp. Ranges		-30 ~ +90	

Note:Testing must be performed under standard conditions set down in "JIS C 60068-1 General Environmental T Rules(Electric/Electronics)."

Standard Conditions:Unless otherwise specified, all tests and measurements should be performed within a no temperature range of 15-35 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.