CABLE SPECIFICATION

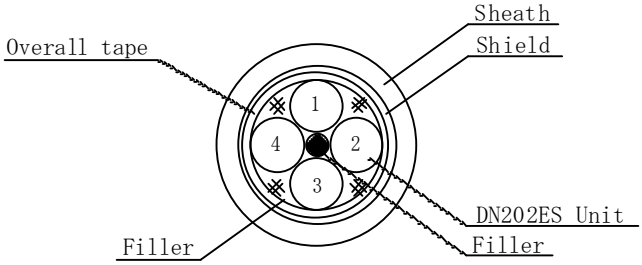
Canare Electric Co.,Ltd.

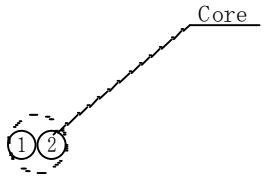
Model	ＲＪＣ５ＥＳ－４Ｐ－ＢＳ	SAA292E Ver1.0
Applications	Cat.5e Ethernet Cable	

Physical Characteristics		Unit	Standard Value		Note
No. of Cond.			8		4 Pairs
Conductor	Construction	qty/mm (/mil)	7/A0.20	(/7.87)	Annealed Copper
	Nom.Cross Section Area	㎟ (mil□)	0.22	(341.0)	24AWG
	Outer Diameter	mm (mil)	0.60	(23.62)	
Insulation	Type		XLPE		XLPE:Crosslinked Polyethlene
	Thickness	mm (mil)	0.20	(7.87)	Color: See Pair Color Code chart
	Outer Diameter	mm (Inch)	1.00	(0.039)	
Overall tape	Thickness	mm (mil)	0.16	(6.30)	Nonwoven fabric Tape
Shield	Type	mm/end/carr (mil/)	TA0.10/10/16	(3.94)	Tinned Annealed Copper
	Thickness	mm (mil)	—		
	Coverage	%	>90		
Sheath	Type		PVC		
	Thickness	mm (mil)	0.7	(27.56)	
	Outer Diameter	mm (Inch)	6.7	(0.26)	Color:Blk
	Marking		Cat5e Network Cable RJC5ES-4P-BS CANARE <Year Code> MADE IN JAPAN		
Weight		kg/100m(lbs/1000ft)	6.1	(41.0)	

Cable Cross Section

Unit





Pair Color Code chart:

	Pair 1	Pair 2	Pair 3	Pair 4
Conductor 1	Wht/Blu	Wht/Orn	Wht/Grn	Wht/Brn
Conductor 2	Blu	Orn	Grn	Brn

Electrical Characteristics (Nominal)		Unit	Specified Value		Note
Rated Voltage		V	AC 30		
Rated Temperature		℃	-20 to 60		
D.C.Resistance	Conductor	Ω/100m (/1000ft)	<= 9.5	(<=28.8)	Max.Attenuation dB/ 50m (/100ft)
	Shield	Ω/100m (/1000ft)	<= 2.3	(<=7.1)	1MHz 2.0 (1.2)
Voltage Proof	Min.Breakdown Voltage.	V·1min	AC350 or DC500		4MHz 4.1 (2.5)
Insulation Resistance	Between Conductors	MΩ·km (·3000ft)	>= 1000	(>=1000)	8MHz 5.8 (3.5)
Char.Impedance		Ω at 1-100MHz	100±15		10MHz 6.5 (4.0)
Attenuation		dB/ 50m (/100ft)	→		16MHz 8.2 (5.0)
					20MHz 9.3 (5.7)
					25MHz 10.4 (6.3)
					31.25MHz 11.7 (7.1)
					62.5MHz 17.0 (10.4)
					100MHz 22.0 (13.4)

Mechanical Characteristics (Nominal)	Unit	Specified Value		Note
Tension Tolerance	N (lbf)	<= 120	(<=27.0)	
Bend Radius	-	>= 4x Cable OD		

Environment Characteristics	Specifications	Note
Flame Retardance	A vertical specimen of an insulated conductor shall not flame longer than 60s following five 15s applications of flame.	The VW-1 flame test specified in UL1581.

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

Standard Conditions: Unless otherwise specified, all tests and measurements should be performed within a normal temperature range of 15-35℃, a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.