

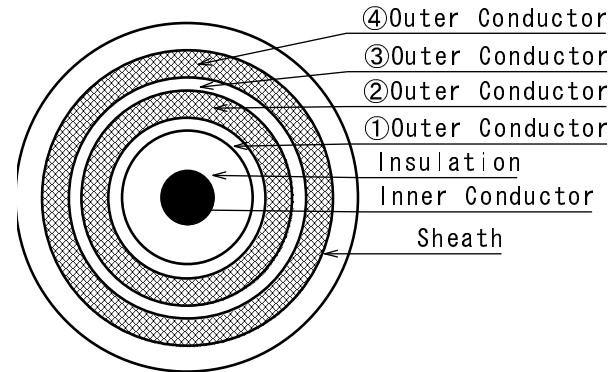
S P E C I F I C A T I O N

SPEC No · 012902E

Date of issue : 8 · April · 2005

Model	RG59/U-QUAD HEC (THC)
Color	Black · White · Red · Green · Yellow · Blue

CONSTRUCTION



Approx Weight: 44kg/km

CONSTRUCTIONS	Inner Conductor	Material	Tin Plated Hard-drawn
		Number of Component Wires (pcs)	1
		Diameter of Component Wires (mm)	0.81±0.02 (AWG22)
	Insulation	Material	High Foamed Polyethylene
		Thickness (mm)	1.43
		Diameter	3.66
	①Outer Conductor	Material	Bonded Aluminum Tape
		Thickness (mm)	0.05
		Width (mm)	15
	②Outer Conductor	Material	Aluminum Alloy Wires
		Braid Construction (pcs./mm)	16/7/0.16±0.008
		Braid Pitch (mm)	Max.26 (Min.95%)
		Diameter (mm)	4.56
	③Outer Conductor	Material	Aluminum Tape
		Thickness (mm)	0.05
		Width (mm)	18
	④Outer Conductor	Material	Aluminum Alloy Wires
		Braid Construction (pcs./mm)	16/7/0.16±0.008
Braid Pitch (mm)		Max.17 (Min.95%)	
Diameter (mm)		5.46	
Sheath	Material	Non-migration, 105°C Heat resistance PVC	
	Thickness (mm)	0.64	
	Overall Diameter (mm)	6.73±0.2	

ELECTRICAL PROPERTIES	Conductor Resistance (Ω/Km at 20°C)		Max · 37 · 2
	Insulation Resistance (MΩKm)		Min · 1000
	Dielectric Strength (V/1min)		1000
	Capacitance (nF/Km at 1KHz)		53 · 5
	Characteristic Impedance (Ω at 10MHz)		75±3
	Max. Attenuation (dB/Km at 5MHz)		25 · 3
	(dB/Km at 55MHz)		61 · 7
	(dB/Km at 211MHz)		117 · 8
	(dB/Km at 250MHz)		127 · 6
	(dB/Km at 270MHz)		132 · 9
	(dB/Km at 300MHz)		140 · 1
	(dB/Km at 330MHz)		147 · 6
	(dB/Km at 350MHz)		152 · 2
	(dB/Km at 400MHz)		160 · 1
	(dB/Km at 450MHz)		173 · 9
	(dB/Km at 500MHz)		180 · 4
	(dB/Km at 550MHz)		193 · 6
(dB/Km at 600MHz)		202 · 8	
(dB/Km at 750MHz)		228 · 3	
(dB/Km at 870MHz)		247 · 5	
(dB/Km at 1000MHz)		265 · 4	
MARKING	MARKING COLOR		White or Black
	RG59/U-QUAD HEC KANSAI TSUSHIN DENSEN		
REVISIONS	No ·	Date	Descriptions
	1		
	2		

KANSAI TSUSHIN DENSEN CO., LTD., JAPAN