



Specification For Approval

Customer Name : _____

RHT P/N : RHTQYAB-127-RFC

Description : UL2651 Rainbow Flat Cable Series

Date : 2026-08-13

Approved
Sign :
Please return by one

Design: Pan Checked: Andy Approved: Feng

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Product Description

UL STYLE: 2651

Rate temperature : 105°C Rate

voltage : 300V

Passes UL VW-1 & CSA Standard : C22.2 No. 210.2 Flame test :

FT1,FT2

Solid or stranded ,tinned or bare copper conductor 26~24AWG PVC

insulation , comply with ROHS environmental standard

Uniform insulation thickness to ensure easy stripping and cutting For general purpose internal wiring of appliance

PHYSICAL PROPERTIES : After 7 days air oven at 136°C Average tensile strength : 1500 lbs/

Percent of original : 70% at least Average

elongation : 200%

Percent of original : 65% at least

ELECTRONIC CHARACTERISTICS :

Spark test : 2500V

Dielectric strength test : Minimum 2 KV in 1 minute Conductor

resistance : Maximum 237 Ω /km

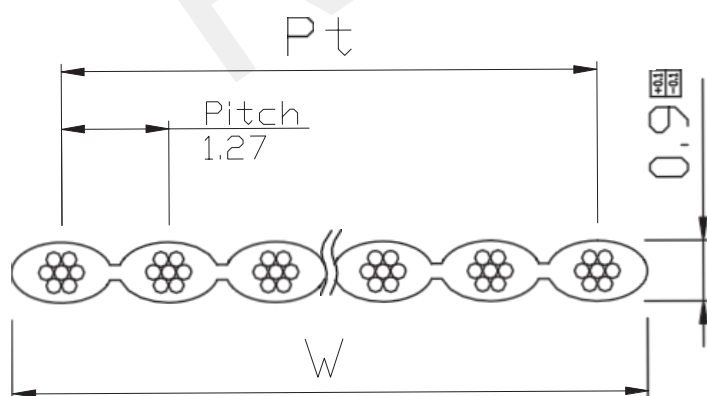
Insulation resistance : Minimum 100 M Ω -km Capacity :

44pF/m (G-S-G)

Inductance : 1.45 μ H/m

Characteristic Impedance : 105 Ω (G-S-G)

Propagation delay time : 4.2 ns/m



AWG size : 28 AWG

Material of insulation : polyvinyl chloride(PVC) gray

Insulation thickness average : 9mil.

Minimum insulation thickness : 7mil



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Code No.	Number of Cores	Size of conductor		Thic kness (mm 0.05)	Width (mm)	Allowable error (mm)
		AWG	Composition (solid/mm)			
RFC-09	9	28	7/0.127	0.9	11.43	0.30
RFC-10	10	28	7/0.127	0.9	12.7	0.30
RFC-14	14	28	7/0.127	0.9	17.78	0.30
RFC-15	15	28	7/0.127	0.9	19.05	0.30
RFC-16	16	28	7/0.127	0.9	20.32	0.30
RFC-20	20	28	7/0.127	0.9	25.4	0.30
RFC-25	25	28	7/0.127	0.9	31.75	0.30
RFC-26	26	28	7/0.127	0.9	33.02	0.30
RFC-30	30	28	7/0.127	0.9	38.1	0.30
RFC-34	34	28	7/0.127	0.9	43.18	0.40
RFC-36	36	28	7/0.127	0.9	45.72	0.40
RFC-40	40	28	7/0.127	0.9	50.8	0.40
RFC-50	50	28	7/0.127	0.9	63.5	0.40
RFC-60	60	28	7/0.127	0.9	76.2	0.40
RFC-64	64	28	7/0.127	0.9	81.28	0.40

ORDER INFORMATION

Product NO.: RHTQYAB-127-RFC-XX-1

Part Number_____

Pin Number_____

XX:09~60Pin

Long / Reel _____

1-30.5M/Reel 2-76.5M/Reel