

## Round Flat Cable (RFC)

### Round to Round

#### PRODUCT DETAILS

Round Flat Cable (RFC) Jumpers are highly flexible flat conductor connectors combining the properties of flat insulated conductors and round solder pins. The jumpers can be soldered to the PCB or inserted into a connector. The flat insulated conductors act as a vibration damper making the jumpers suitable in the most arduous of applications. The availability of different insulation materials ensure maximum reliability even at high operating temperatures.

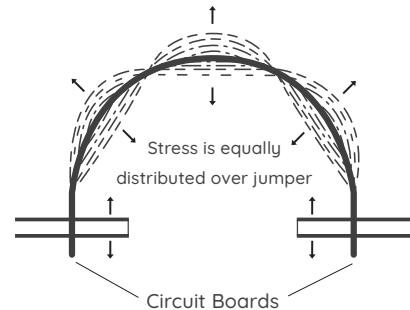
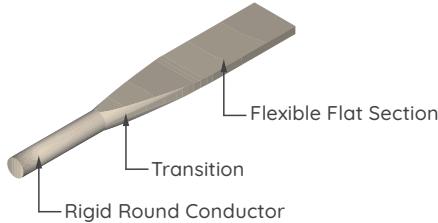
#### FEATURES

- ⌚ Highly Flexible
- wireType Light Weight
- ↓ Extremely Thin
- 💰 Cost-Effective
- ↔ Wide Temperature Range
- 擐 Suitable for High Vibration Applications

#### APPLICATIONS

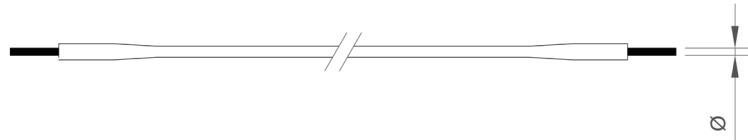
- ⌚ Domestic Appliance
- wireType Consumer Electronics
- wireType Automotive Industry
- wireType Medical Applications
- wireType Telecommunications
- wireType IT Equipment
- wireType Office Equipment
- wireType Robotics
- wireType Industrial

#### TRANSITION AND VIBRATION EXAMPLE DRAWINGS

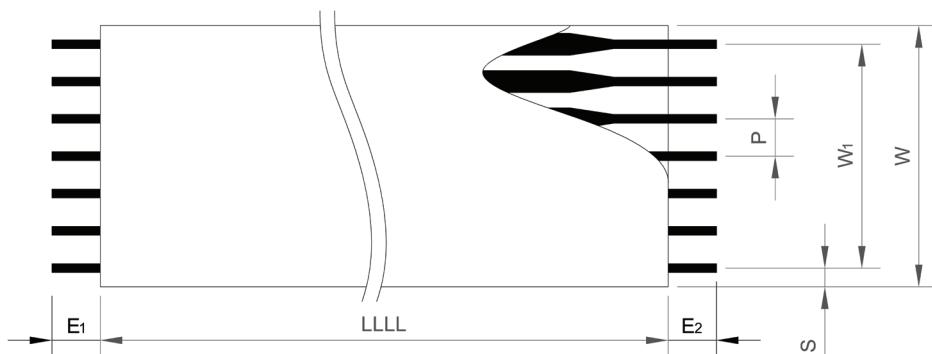


#### OUTLINE DRAWING

##### SIDE VIEW



##### TOP VIEW



## 25.4MM LENGTH STANDARD STOCK CABLES

Part no.	No. of Ways	Pitch (P)	Insulator	Insulator Length (LLLL)	Total Length	Exposed Conductor Each End (E1 & E2)
RFR02254N0025	2	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR04254N0025	4	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR05254N0025	5	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR06254N0025	6	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR08254N0025	8	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR10254N0025	10	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR12254N0025	12	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR14254N0025	14	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR15254N0025	15	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR16254N0025	16	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR18254N0025	18	2.54mm	Nomex	25.4mm	31.4mm	3mm
RFR20254N0025	20	2.54mm	Nomex	25.4mm	31.4mm	3mm

## 50.8MM LENGTH STANDARD STOCK CABLES

Part no.	No. of Ways	Pitch (P)	Insulator	Insulator Length (LLLL)	Total Length	Exposed Conductor Each End (E1 & E2)
RFR02254N0051	2	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR04254N0051	4	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR05254N0051	5	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR06254N0051	6	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR08254N0051	8	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR10254N0051	10	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR12254N0051	12	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR14254N0051	14	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR15254N0051	15	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR16254N0051	16	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR18254N0051	18	2.54mm	Nomex	50.8mm	56.8mm	3mm
RFR20254N0051	20	2.54mm	Nomex	50.8mm	56.8mm	3mm

## 76.2MM LENGTH STANDARD STOCK CABLES

Part no.	No. of Ways	Pitch (P)	Insulator	Insulator Length (LLLL)	Total Length	Exposed Conductor Each End (E1 & E2)
RFR02254N0076	2	2.54mm	Nomex	76.2mm	82.2mm	3mm
RFR04254N0076	4	2.54mm	Nomex	76.2mm	82.2mm	3mm
RFR05254N0076	5	2.54mm	Nomex	76.2mm	82.2mm	3mm
RFR06254N0076	6	2.54mm	Nomex	76.2mm	82.2mm	3mm
RFR08254N0076	8	2.54mm	Nomex	76.2mm	82.2mm	3mm
RFR10254N0076	10	2.54mm	Nomex	76.2mm	82.2mm	3mm
RFR12254N0076	12	2.54mm	Nomex	76.2mm	82.2mm	3mm

## INSULATOR AND TEMPERATURE RATING

Insulation Material	PET Film	Nomex	Kapton
Temperature Rating	105°C	125°C	150°C

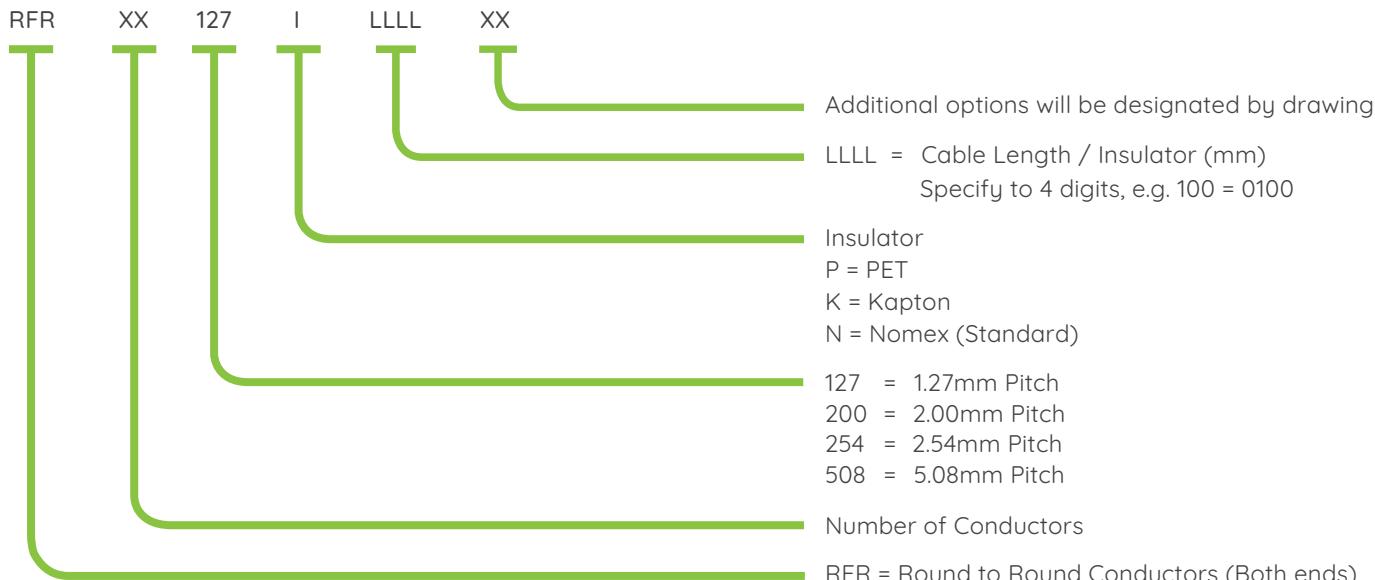
## CONDUCTOR SIZES

Pitch	1.27mm	2.00mm	2.54mm	5.08mm
Diameter of Round End	0.33mm	0.41mm	0.51mm	0.51mm
Exposed Conductor Length (Standard)	3.00mm			
Conductor / Pin Style	Straight			

## ELECTRICAL AND MECHANICAL PROPERTIES

Pitch Options	1.27mm	2.00mm	2.54mm	5.08mm
Number of Conductors	2-50 Pin			
Length Range	25-3000mm			
Flammability Rating	UL94V-0			
Conductor Rating	2A-6A			
Operating Voltage	300V			
Dielectric Strength	1000V-3000V/Min			

## PART NUMBERING BREAKDOWN



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