

## Flexible Polyamide Conduit



Standards Followed: IEC 61386-1, IEC 61386-23

### **FLEXIBLE POLYAMIDE CONDUIT**

<b>S.No</b>	<b>Product Code</b>	<b>Size</b>	<b>Inner Diameter</b>	<b>Outer Diameter</b>	<b>Standard Packing</b>
1)	OFR/FL/PA/BL7	PG7	6.5 mm	10.0 mm	100 Mtrs
2)	OFR/FL/PA/BL9	PG9	9.6 mm	13.0 mm	100 Mtrs
3)	OFR/FL/PA/BL11	PG11	12.0 mm	15.8 mm	50 Mtrs
4)	OFR/FL/PA/BL13.5	PG13.5	14.0 mm	18.5 mm	50 Mtrs
5)	OFR/FL/PA/BL16	PG16	16.0 mm	21.2 mm	50 Mtrs
6)	OFR/FL/PA/BL21	PG21	21.9 mm	28.5 mm	50 Mtrs
7)	OFR/FL/PA/BL29	PG29	27.8 mm	34.5 mm	25 Mtrs
8)	OFR/FL/PA/BL36	PG36	36.0 mm	42.5 mm	25 Mtrs

Apart from these sizes, we have conduits of outer diameter 12mm, 14mm, 17mm, 20mm, 25mm, 32mm, 40mm and 50mm which can be produced on specific requirements.

## FR-GRADE FLEXIBLE POLYAMIDE CONDUIT

S.No	Product Code	Size	Inner Diameter	Outer Diameter	Standard Packing
1)	OFR/FL/PA/FR/BL7	PG7	6.5 mm	10.0 mm	100 Mtrs
2)	OFR/FL/PA/FR/BL9	PG9	9.6 mm	13.0 mm	100 Mtrs
3)	OFR/FL/PA/FR/BL11	PG11	12.0 mm	15.8 mm	50 Mtrs
4)	OFR/FL/PA/FR/BL13.5	PG13.5	14.0 mm	18.5 mm	50 Mtrs
5)	OFR/FL/PA/FR/BL16	PG16	16.0 mm	21.2 mm	50 Mtrs
6)	OFR/FL/PA/FR/BL21	PG21	21.9 mm	28.5 mm	50 Mtrs
7)	OFR/FL/PA/FR/BL29	PG29	27.8 mm	34.5 mm	25 Mtrs
8)	OFR/FL/PA/FR/BL36	PG36	36.0 mm	42.5 mm	25 Mtrs

**FR RATING: UL94V0/UL94V1/UL94V2**

**Material:** Polyamide 6

**Color:** Black (RAL 9005)

**Temperature Range:** -40°C to 105°C (150°C for short term)

**Fire Protection:** UL94V0

**Protection Degree:** IP 67 in combination with conduit glands

### Properties:

- Flexible and excellent tenacity
- Glossy surface
- Small bending radius
- High mechanical strength
- Resistant to oil, acid and solvents
- Antifriction
- Free of Halogen, phosphor and cadmium, passed RoHS

### Applications:

- Automobile Wiring Protection
- Marine Applications and Ship Building
- Machine cable protection
- Robotics, Mechanical building
- Electric control system
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## Mechanical Properties

S.No	Description	Unit	Value
1)	Flexural Strength	Kg/cm <sup>2</sup>	950
2)	Flexural Modulus	Kg/cm <sup>2</sup>	26,000
3)	Tensile Strength	Kg/cm <sup>2</sup>	602
4)	Impact Strength	Kg/cm <sup>2</sup>	25
5)	Thermal Stability at 150C for 4 hours	-	No Melting,softening or any physical changes after the test
6)	Thermal cycle test for 48 hours at -40C to 105C	-	No physical changes after the test