

Model No.: **TLPA2-XX**  
Description: **Light-wall very flexible corrugated conduits**



### Salient Features:


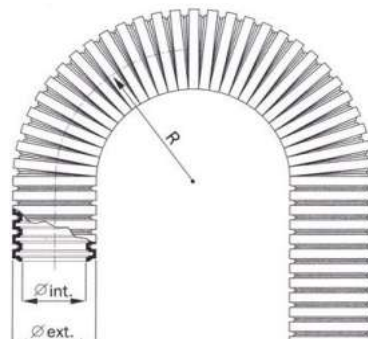
- Very flexible, durable conduits
- Very good corrosion resistance
- Medium impact & compression resistance
- High tensile strength
- Free of halogen, phosphorous & cadmium
- All weather characteristics
- Insulates & protects cables
- Reduces installation time & cost
- Ideal for static & dynamic applications
- Made of specially modified polyamide (PA6)
- Self-extinguishing (HB according to UL94)
- Special profile for housing the ORJ O-ring sealing to provide a higher IP protection
- Temperature range: -25°C to +105°C (150°C short term)
- UV resistant

### General Characteristics:

It is made of specially modified Polyamide 6 & is very flexible. It is ideal for use in electrical installation of machinery, construction, false ceilings, drywalls, insulation, mechanical protection and environmental preservation of cables in the electrical installation of machinery, industrial equipment and telecommunications etc.

This conduit can be supplied as well with a longitudinal slit, on special request, to allow direct introduction of electrical cables. With the longitudinal slit, the conduit loses all its mechanical & protection properties.

Black is supplied as a standard in 50 meters length for all UV resistant applications. Other colors made as per request.

Available types		: Available in 10mm, 12mm, 17mm, 23mm,29mm,36mm&48mm (Nominal diameter). Other sizes available on request.																																																								
Degree of protection		: IP67 as per IEC 60529																																																								
Degree of Pollution		: NA																																																								
Applicable standards		: IEC EN 61386-1/-21/-23 : UL1696 : C22.2 No 227.3 : IEC 60529																																																								
Product Certification		: 																																																								
Compression force	N	: 125																																																								
Impact resistance	Kg	: 2 (-25°C)																																																								
Resistance to bending		: >5000 flex.																																																								
Tensile strength	N	: 100																																																								
Suspended load capacity	N	: 30																																																								
Toxicity		: ROHS complaint UNE EN 50267																																																								
Glow wire	°C	: 750																																																								
Oxygen Index	%	: >24 UNE EN ISO 4589																																																								
Resistance to fuel mineral greases & diluted bases		: Good																																																								
Ambient	°C	: -25 to +105																																																								
Storage	°C	: -25 to +40																																																								
Overall Dimensions with sketch (LXBXH)	mm	<div></div> <table><thead><tr><th>Model Number</th><th>Nominal Ø</th><th>Internal Ø</th><th>External Ø</th><th>Bending radius R</th><th>Packing in meters</th><th>Wt in Kgs</th></tr></thead><tbody><tr><td>TLPA2-10</td><td>10</td><td>9.8</td><td>13.0</td><td>20</td><td>50</td><td>1.2</td></tr><tr><td>TLPA2-12</td><td>12</td><td>11.8</td><td>15.8</td><td>30</td><td>50</td><td>1.5</td></tr><tr><td>TLPA2-17</td><td>17</td><td>16.8</td><td>21.2</td><td>40</td><td>50</td><td>2.5</td></tr><tr><td>TLPA2-23</td><td>23</td><td>22.8</td><td>28.5</td><td>55</td><td>50</td><td>4.0</td></tr><tr><td>TLPA2-29</td><td>29</td><td>28.5</td><td>34.5</td><td>65</td><td>30</td><td>3.30</td></tr><tr><td>TLPA2-36</td><td>36</td><td>36.8</td><td>42.5</td><td>80</td><td>30</td><td>4.20</td></tr><tr><td>TLPA2-48</td><td>48</td><td>47.4</td><td>54.5</td><td>95</td><td>30</td><td>5.1</td></tr></tbody></table>	Model Number	Nominal Ø	Internal Ø	External Ø	Bending radius R	Packing in meters	Wt in Kgs	TLPA2-10	10	9.8	13.0	20	50	1.2	TLPA2-12	12	11.8	15.8	30	50	1.5	TLPA2-17	17	16.8	21.2	40	50	2.5	TLPA2-23	23	22.8	28.5	55	50	4.0	TLPA2-29	29	28.5	34.5	65	30	3.30	TLPA2-36	36	36.8	42.5	80	30	4.20	TLPA2-48	48	47.4	54.5	95	30	5.1
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### Ordering codes

The ordering code for each product is mentioned in the Catalogue/Data Sheet as well as on each product.

#### TLPA2-XX

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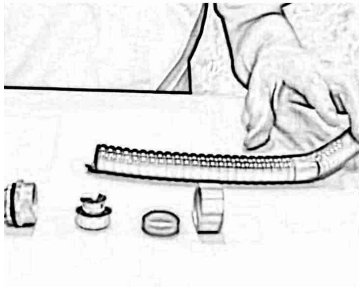
**L**  
↓  
L= Light Wall

**PA**  
↓  
PA=Polyamide

**2**  
↓  
2= Color Black  
(Supplied as a  
Standard)  
5=Orange 9=Grey

**-XX**  
↓  
Indicates the size of the  
conduit e.g.  
10=10mm  
12=12mm  
17=17mm  
23=23mm  
29=29mm  
36=36mm  
48=48mm

### Mounting Instructions:



Dismantle the connector



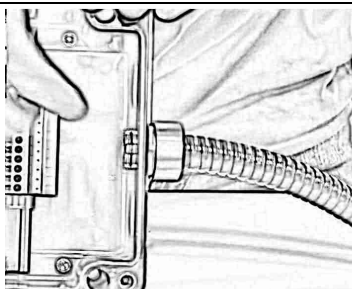
Assemble the sleeve into the conduit



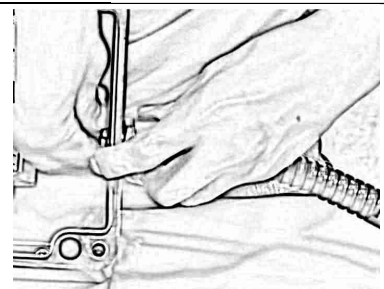
Assemble the ring & remaining parts of the  
connector to the conduit



Open the opening in enclosure & insert the  
connector with the conduit



Assemble the ring of the connector from inside  
of the enclosure



Tighten inner & outer rings with a spanner

If any more information is required, kindly contact our Marketing Department at  
+91-22-42532500 or email at [ram.talreja@teknico.co.in](mailto:ram.talreja@teknico.co.in)