

Model No.: **TMPA2-XX**

Description: **Medium-wall flexible corrugated conduits**



### Salient Features:


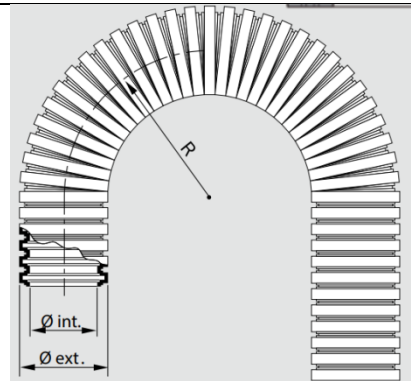
- Flexible, durable conduits
- Very good corrosion resistance
- Strong impact & compression resistance
- High tensile strength
- Free of halogen, phosphorous & cadmium
- All weather characteristics
- Insulates & protects cables
- Reduces installation time & cost
- Ideal for static & dynamic applications
- Made of specially modified polyamide (PA6)
- Self-extinguishing (V2 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. 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 & desired length as per request.

| Available types                                    |           | : Available in 10mm, 12mm, 17mm,23mm,29mm,36mm & 48mm (Nominal diameter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                  |                   |           |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
|----------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|-------------------|-----------|--|--------------|-----------|------------|------------|------------------|-------------------|-----------|----------|----|-----|----|----|----|-----|----------|----|------|------|----|----|-----|----------|----|------|------|----|----|------|----------|----|------|------|----|----|------|----------|----|------|------|----|----|------|----------|----|------|------|----|----|------|----------|----|------|------|----|----|------|
| Degree of protection                               |           | : IP67 as per IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                  |                   |           |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
| Degree of Pollution                                |           | : NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |                  |                   |           |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
| Applicable standards                               |           | : IEC EN 61386-1/-21/-23<br>: UL1696<br>: C22.2 No 227.3<br>: 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>TMPA2-10</td><td>10</td><td>9.8</td><td>13</td><td>20</td><td>50</td><td>1.3</td></tr><tr><td>TMPA2-12</td><td>12</td><td>11.8</td><td>15.8</td><td>30</td><td>50</td><td>1.7</td></tr><tr><td>TMPA2-17</td><td>17</td><td>16.8</td><td>21.2</td><td>40</td><td>50</td><td>2.80</td></tr><tr><td>TMPA2-23</td><td>23</td><td>22.8</td><td>28.5</td><td>55</td><td>50</td><td>4.50</td></tr><tr><td>TMPA2-29</td><td>29</td><td>28.4</td><td>34.5</td><td>65</td><td>30</td><td>3.70</td></tr><tr><td>TMPA2-36</td><td>36</td><td>36.5</td><td>42.5</td><td>80</td><td>30</td><td>4.60</td></tr><tr><td>TMPA2-48</td><td>48</td><td>47.6</td><td>54.2</td><td>95</td><td>30</td><td>5.30</td></tr></tbody></table> |            |                  |                   |           |  | Model Number | Nominal Ø | Internal Ø | External Ø | Bending radius R | Packing in meters | Wt in Kgs | TMPA2-10 | 10 | 9.8 | 13 | 20 | 50 | 1.3 | TMPA2-12 | 12 | 11.8 | 15.8 | 30 | 50 | 1.7 | TMPA2-17 | 17 | 16.8 | 21.2 | 40 | 50 | 2.80 | TMPA2-23 | 23 | 22.8 | 28.5 | 55 | 50 | 4.50 | TMPA2-29 | 29 | 28.4 | 34.5 | 65 | 30 | 3.70 | TMPA2-36 | 36 | 36.5 | 42.5 | 80 | 30 | 4.60 | TMPA2-48 | 48 | 47.6 | 54.2 | 95 | 30 | 5.30 |
| Model Number                                       | Nominal Ø | Internal Ø                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | External Ø | Bending radius R | Packing in meters | Wt in Kgs |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
| TMPA2-10                                           | 10        | 9.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 13         | 20               | 50                | 1.3       |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
| TMPA2-12                                           | 12        | 11.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15.8       | 30               | 50                | 1.7       |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
| TMPA2-17                                           | 17        | 16.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 21.2       | 40               | 50                | 2.80      |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
| TMPA2-23                                           | 23        | 22.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 28.5       | 55               | 50                | 4.50      |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
| TMPA2-29                                           | 29        | 28.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 34.5       | 65               | 30                | 3.70      |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
| TMPA2-36                                           | 36        | 36.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 42.5       | 80               | 30                | 4.60      |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |
| TMPA2-48                                           | 48        | 47.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 54.2       | 95               | 30                | 5.30      |  |              |           |            |            |                  |                   |           |          |    |     |    |    |    |     |          |    |      |      |    |    |     |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |          |    |      |      |    |    |      |

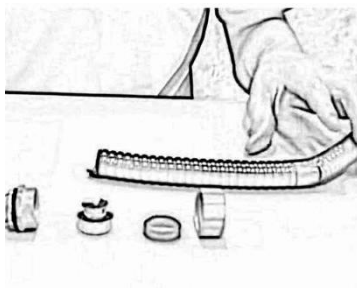
### Ordering codes

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

#### TMPA2-XX

|                  |                         |                         |                                                                           |                                                                                                                                    |
|------------------|-------------------------|-------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| T<br>↓<br>TEKNIC | M<br>↓<br>M=Medium Wall | PA<br>↓<br>PA=Polyamide | 2<br>↓<br>2= Color Black<br>(Supplied as a<br>Standard)<br>5=Orange9=Grey | -XX<br>↓<br>Indicates the size of the<br>conduit e.g.<br>10=10mm<br>12=12mm<br>17=17mm<br>23=23mm<br>29=29mm<br>36=36mm<br>48=48mm |
|------------------|-------------------------|-------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

### Mounting Instructions:



Dismantle the connector



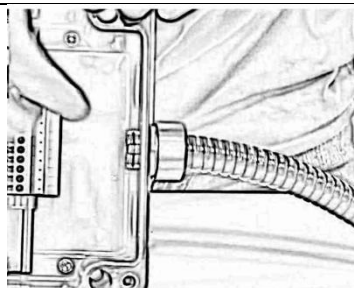
Assemble the sleeve into the conduit



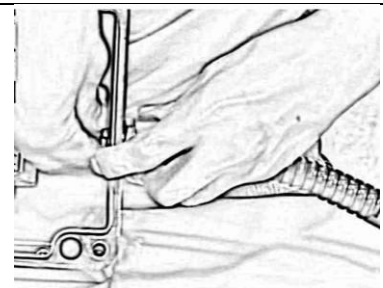
Assemble the ring & remaining parts of the  
connector to the conduit



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.in](mailto:ram.talreja@teknico.in)