

FLEXIBLE CONDUIT SYSTEMS









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About Us

ZM GRUP has been serving in the cable management system since 2014.

ZM GRUP aim is to offer a high quality & competitively priced cable management system for the electrical market.

ZM GRUP is a fully integrated facility with 15 PVC coating machines, 4 CNC benches metal processing machines and molding room within the body of ZM GRUP.

ZM GRUP offers a system that will provide the solution to the clients needs in all projects such as residential, commercial, industrial, utilities, oil & gas, airports Etc.

ZM GRUP flexible steel conduits, PVC coated, LSZH & liquid tight conduits and accessories are available in both American & British standards sizes & lengths can be manufactured to the exact customers requirements.

ZM GRUP Production covering the Turkish local market as well as more than 15 countries around the world.

ZM GRUP staff have been selected for wealth of experience.

Customer Satisfaction Is Our Aim



Certificates













Production



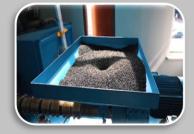


























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Steel Flexible Conduit-BS EN 61386-23

- Flexible Material: Electro-Galvanized Steel Properties: Provides strong protection for cables
- Temp range: -25°C to +75° C
- iP Rating: 1P 40 / iP 54 with recommended adaptor.
- Construction: Highly flexible steel conduit offers excellent mechanical protection
- Features: ideal for general wiring installations and provides good
- flexible bending and vibration applications



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-----------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMGB-16 | 16MM | 13 | 15.5 | 40 | 50 |
| ZMGB-20 | 20MM | 17 | 20 | 45 | 25 |
| ZMGB-25 | 25MM | 21 | 24 | 55 | 25 |
| ZMGB-32 | 32MM | 28 | 32 | 60 | 15 |
| ZMGB-40 | 40MM | 34 | 38 | 80 | 10 |
| ZMGB-50 | 50MM | 46 | 51 | 90 | 10 |

^{***}Other Sizes Can Be Supplied Upon Request









(See Page 10 & 11 For Details)

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PVC Coated Steel Flexible Conduit BS EN 61386-23

- Flexible Material: Electro-Galvanized Steel
- PVC colour: Black (Grey available upon request)
- IP Rating: IP54
- Features: Highly Flexible, High impact Strength and Low Smoke Density.
- Jacket Properties: Heat retardant selfextinguishing PVC Coating

- Temp range: -25°C to + 75°
- Construction: Galvanized steel core with enhanced low acid PVC Coating
- Can be used for Mechanical Protection of Cables and Wires in Tunnels, Hospitals, High Rise Buildings and Underground



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-----------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMPVC-16 | 16MM | 13 | 15.5 | 40 | 50 |
| ZMPVC-20 | 20MM | 17 | 21.6 | 45 | 25 |
| ZMPVC-25 | 25MM | 21 | 26 | 55 | 25 |
| ZMPVC-32 | 32MM | 28 | 34 | 60 | 15 |
| ZMPVC-40 | 40MM | 34 | 39.5 | 90 | 10 |
| ZMPVC-50 | 50MM | 46 | 53 | 100 | 10 |

^{***}Other Sizes Can Be Supplied Upon Request









(See Page 10 & 11 For Details)



Low Smoke Zero Halogen (LSZH) Coated Flexible Conduit BS EN 61386-23

- Flexible Material: Electro-Galvanized Steel Jacket
- Properties: Heat resistant, LSOH, Halogen Free Coating
- Colour: Black (Grey also available upon request)
- Temperature Range: -25°C to +105°CIP
- Rating: 1 P 54 (When installed with suitable water tight adaptors)

- Construction: Highly Flexible Steel Conduit with LSOH , Halogen Free
- Coating Features: Do not emit Hazardous Gases when Heated or in Flames. Highly Flexible, High impact Strength and Low Smoke Density. Can be used for Mechanical Protection of Cables and Wires in Tunnels, Hospitals, High Rise Buildings and Underground



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-----------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMLS-16 | 16MM | 13 | 16.5 | 40 | 50 |
| ZMLS-20 | 20MM | 17 | 21.6 | 45 | 25 |
| ZMLS-25 | 25MM | 21 | 26 | 55 | 25 |
| ZMLS-32 | 32MM | 28 | 34 | 60 | 15 |
| ZMLS-40 | 40MM | 34 | 39.5 | 90 | 10 |
| ZMLS-50 | 50MM | 46 | 53 | 100 | 10 |

^{***}Other Sizes Can Be Supplied Upon Request









(See Page 10 & 11 For Details)



Liquid Tight Flexible Conduit BS EN 61386-23

- Flexible Material: Electro-Galvanized Steel Jacket.
- Properties: Excellent mechanical strength with flexible capabilities, this jacket is resistant to oil, acid and sea water.
- PVC colour: Black (Grey also available upon request)
- Temp range: -25°C to +105° C.

- IP Rating: IP 67 (When installed with suitable water tight adaptor).
- Construction: Highly Flexible Steel Conduit with Cotton Filling and FR PVC Coating.
- Features: Complete Protection against most Liquid and Moisture Vapour.



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-------------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMLS-LIQ-16 | 16MM | 13 | 16.5 | 40 | 50 |
| ZMLS-LIQ-20 | 20MM | 17 | 21.6 | 45 | 25 |
| ZMLS-LIQ-25 | 25MM | 21 | 26 | 55 | 25 |
| ZMLS-LIQ32 | 32MM | 28 | 34 | 60 | 15 |
| ZMLS-LIQ40 | 40MM | 34 | 39.5 | 80 | 10 |
| ZMLS-LIQ50 | 50MM | 46 | 53 | 90 | 10 |

^{***}Other Sizes Can Be Supplied Upon Request









Low Smoke Zero Halogen Liquid Tight Flexible Conduit BS EN 61386-23

- Flexible Material: Electro-Galvanized Steel Jacket
- Properties: Excellent mechanical strength with flexible capabilities, this jacket is resistant to oil, acid, sea water, heat, low smoke and halogen free.
- PVC colour: Grey (Black also available upon request)
- Temp range: -25°C to +150° C

- IP Rating: IP 67 (When installed with suitable water tight adaptor)
- Resistance To Flame: Flame dies in 30 seconds after ignition source is removed
- Construction: Highly Flexible Steel Conduit with Cotton Filling and LSOH PVC Coating
- Features: Complete Protection against most Liquid and Moisture Vapour



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-----------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMLIQ-16 | 16MM | 13 | 15.5 | 40 | 50 |
| ZMLIQ-20 | 20MM | 17 | 21.6 | 45 | 25 |
| ZMLIQ-25 | 25MM | 21 | 26 | 55 | 25 |
| ZMLIQ-32 | 32MM | 28 | 34 | 60 | 15 |
| ZMLIQ-40 | 40MM | 34 | 39.5 | 90 | 10 |
| ZMLIQ-50 | 50MM | 46 | 53 | 100 | 10 |

^{***}Other Sizes Can Be Supplied Upon Request









Fittings - BS EN 61386-23

Male Adaptor With Screw



| Item Code | Size |
|-----------|-------|
| ZMADP-016 | 16 MM |
| ZMADP-020 | 20 MM |
| ZMADP-025 | 25 MM |
| ZMADP-032 | 32 MM |
| ZMADP-040 | 40 MM |
| ZMADP-050 | 50 MM |

Material: Brass Finish : Self Colour

Female Adaptor With Screw



| Item Code | Size |
|-------------|-------|
| ZMADP-F-016 | 16 MM |
| ZMADP-F-020 | 20 MM |
| ZMADP-F-025 | 25 MM |
| ZMADP-F-032 | 32 MM |
| ZMADP-F-040 | 40 MM |
| ZMADP-F-050 | 50 MM |

Material: Brass Finish : Self Colour

***Other Sizes Can Be Supplied Upon Request

Male Adaptor Without Screw



| Item Code | Size |
|-------------|-------|
| ZMADP-1-016 | 16 MM |
| ZMADP-1-020 | 20 MM |
| ZMADP-1-025 | 25 MM |
| ZMADP-1-032 | 32 MM |
| ZMADP-1-040 | 40 MM |
| ZMADP-1-050 | 50 MM |

Material: Brass Finish : Self Colour

Female Adaptor Without Screw



| Item Code | Size |
|---------------|-------|
| ZMADP-F01-016 | 16 MM |
| ZMADP-F01-020 | 20 MM |
| ZMADP-F01-025 | 25 MM |
| ZMADP-F01-032 | 32 MM |
| ZMADP-F01-040 | 40 MM |
| ZMADP-F01-050 | 50 MM |

Material: Brass Finish : Self Colour



Fittings - BS EN 61386-23

Brass Nickel Plated Adaptor



| Item Code | Size |
|-----------|-------|
| ZMBNP-016 | 16 MM |
| ZMBNP-020 | 20 MM |
| ZMBNP-025 | 25 MM |
| ZMBNP-032 | 32 MM |
| ZMBNP-040 | 40 MM |
| ZMBNP-050 | 50 MM |

Material: Brass

Finish : Nickel Plated

Zinc Nickel Plated Adaptor



| Item Code | Size |
|------------|-------|
| ZM-ZNC-016 | 16 MM |
| ZM-ZNC-020 | 20 MM |
| ZM-ZNC-025 | 25 MM |
| ZM-ZNC-032 | 32 MM |
| ZM-ZNC-040 | 40 MM |
| ZM-ZNC-050 | 50 MM |

Material: Zinc

Finish : Nickel Plated





| Item Code | Size |
|-----------|-------|
| ZMLNP-016 | 16 MM |
| ZMLNP-020 | 20 MM |
| ZMLNP-025 | 25 MM |
| ZMLNP-032 | 32 MM |
| ZMLNP-040 | 40 MM |
| ZMLNP-050 | 50 MM |

Material: Brass

Finish : Nickel Plated

Liquid Tight Adaptor Zinc Die Cast



| Item Code | Size |
|---------------|-------|
| ZMLLP-ZNC-016 | 16 MM |
| ZMLLP-ZNC-020 | 20 MM |
| ZMLLP-ZNC-025 | 25 MM |
| ZMLLP-ZNC-032 | 32 MM |
| ZMLLP-ZNC-040 | 40 MM |
| ZMLLP-ZNC-050 | 50 MM |

Material: Brass

Finish : Zinc Die Cast

***Other Sizes Can Be Supplied Upon Request















Steel Flexible Conduit

- Galvanized steel flexible conduit is suitable for concealed, exposed or approved raceways.
- The flexible conduit is manufactured with a continuous spiral wound strip of corrosion rust resistant, hot dipped galvanized steel.
- The natural color type RWS conduit features a smooth metal interior for easy wire pulling.
- The flexible steel conduit is wire temperature rated, and has superior crush proof qualities.



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-----------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMGFCH2 | 1/2" | 16.2 | 19.9 | 65 | 30 |
| ZMGFCH3 | 3/4" | 21.3 | 25.2 | 75 | 30 |
| ZMGFCH4 | 1" | 27.1 | 32.1 | 100 | 15 |
| ZMGFCH5 | 1¼" | 35.5 | 40.5 | 125 | 15 |
| ZMGFCH6 | 1½" | 40.6 | 46.3 | 150 | 10 |
| ZMGFCH7 | 2" | 51.2 | 58 | 175 | 7.5 |

^{***}Other Sizes Can Be Supplied Upon Request









Liquid Tight Steel Flexible Conduit

- Galvanized Steel strips (0.3MM thickness), helically wound. Square lock flexible conduit with heavy smooth PVC cover coating, strong square lock, IP Rating: IP66 + IP67 + IP68,Available in Black and Gray Colors.
- PVC Cover will have minimal wrinkle when Bend.
- Resistant to Oils and greases.
- Temperature Range 20C to + 55 C

- UV resistant and Suitable for external Use.
- The PVC is keyed into the corrugations of the inner steel flexible core, which prevents the PVC from wrinkling when the conduit is bent to its minimum bend radius. The PVC coating provides a smooth outer surface onto which liquid tight compression fittings can be secured.



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-----------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZZLTC13 | 1/2" | 16.31 | 21.34 | 85 | 30 |
| ZZLTC14 | 3/1" | 21.34 | 26.67 | 100 | 30 |
| ZZLTC15 | 1" | 27.08 | 33.4 | 120 | 30 |
| ZZLTC16 | 1¼" | 35.81 | 42.16 | 150 | 15 |
| ZZLTC17 | 1½" | 40.64 | 48.26 | 180 | 15 |
| ZZLTC18 | 2" | 51.94 | 60.33 | 220 | 15 |

^{***}Other Sizes Can Be Supplied Upon Request









Fittings

Straight Flexible Squeeze Connector



| Item Code | Size |
|-----------|------|
| ZMSSC-050 | 1/2" |
| ZMSSC-075 | 3/4" |
| ZMSSC-100 | 1" |
| ZMSSC-125 | 1¼" |
| ZMSSC-150 | 1½" |
| ZMSSC-200 | 2" |

Material: Zinc Die Cast Finish : Zinc

90° Flexible Squeeze Connector



| Item Code | Size |
|-----------|------|
| ZASC-050 | 1/2" |
| ZASC-075 | 3/4" |
| ZASC-100 | 1" |
| ZASC-125 | 1¼" |
| ZASC-150 | 1½" |
| ZASC-200 | 2" |

Material: Zinc Die Cast Finish : Zinc

Straight Liquid Tight Connector

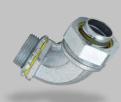


| Item Code | Size |
|-----------|------|
| ZSLT-050 | 1/2" |
| ZSLT-075 | 3/4" |
| ZSLT-100 | 1" |
| ZSLT-125 | 1¼" |
| ZSLT-150 | 1½" |
| ZSLT-200 | 2" |

Material: Zinc Die Cast Finish : Zinc

***Other Sizes Can Be Supplied Upon Request





| Item Code | Size |
|-----------|------|
| ZALT-050 | 1/2" |
| ZALT-075 | 3/4" |
| ZALT-100 | 1" |
| ZALT-125 | 1¼" |
| ZALT-150 | 1½" |
| ZALT-200 | 2" |

Material: Zinc Die Cast Finish : Zinc









Stainless Steel Flexible Conduit Grades SS 316/304

- Material: Stainless steel Grades SS 316/304
 Uncovered flexible conduit
- Temperature:

Static Temp: -65°C to +350°C Flexing Temp: -45°C to +250°C

Fire Performance:
 Inherent low fire hazard Resistance to flame propagation.

- Flexibility & Fatigue Life : Very High Flexibility – Very High Fatigue Life.
- IP Rating :

IP40 (with recommended Adaptors).

Characteristics :
 Oil & Chemical Resistance
 Abrasion Resistance



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-----------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMSSF-16 | 16MM | 13MM | 15.5MM | 40MM | 50MM |
| ZMSSF-20 | 20MM | 17MM | 20MM | 45MM | 25MM |
| ZMSSF-25 | 25MM | 21MM | 24MM | 55MM | 25MM |
| ZMSSF-32 | 32MM | 28MM | 32MM | 60MM | 15MM |
| ZMSSF-40 | 40MM | 34MM | 38MM | 80MM | 10MM |

^{***}Other Sizes Can Be Supplied Upon Request







Stainless Steel PVC Flexible Conduit Grades SS 316/304

Material: Stainless Steel Grades SS 316/304 PVC covered flexible conduit.

Temperature:

Static Temp: -25°C to +70°C Flexing Temp: -5°C to +90°C

Fire Performance:

Flame dies in less than 30 seconds after ignition

source is removed.

- Flexibility & Fatigue Life :
 Very High Flexibility Very High Fatigue Life.
- IP Rating :

IP54- (with recommended adaptors).

Characteristics : High mechanical strength



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|------------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMSSPVC-16 | 16MM | 13MM | 16.5MM | 40MM | 50MM |
| ZMSSPVC-20 | 20MM | 17MM | 21.6MM | 45MM | 25MM |
| ZMSSPVC-25 | 25MM | 21MM | 26MM | 55MM | 25MM |
| ZMSSPVC-32 | 32MM | 28MM | 34MM | 60MM | 15MM |
| ZMSSPVC-40 | 40MM | 34MM | 39.5MM | 90MM | 10MM |

^{***}Other Sizes Can Be Supplied Upon Request







Stainless Steel (LSZH) Covered Flexible Conduit – Grades SS 316/304

- Material: Stainless Steel AISI 316L/304 low smoke zero halogen covered flexible conduit.
- Temperature:

Static Temp: -20°C to +90°C Flexing Temp: -5°C to +105°C

Fire Performance:
 Limited fire hazard, flame retardant (BS EN61386)
 low smoke, zero halogen.

- Flexibility & Fatigue Life :
 Very High Flexibility Very High Fatigue Life.
- IP Rating :

IP54-(with recommended adaptors).

Characteristics : High mechanical strength.



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-----------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMSSLS-16 | 16MM | 13MM | 16.5MM | 40MM | 50MM |
| ZMSSLS-20 | 20MM | 17MM | 21.6MM | 45MM | 25MM |
| ZMSSLS-25 | 25MM | 21MM | 26MM | 55MM | 25MM |
| ZMSSLS-32 | 32MM | 28MM | 34MM | 60MM | 15MM |
| ZMSSLS-40 | 40MM | 34MM | 39.5MM | 90MM | 10MM |

^{***}Other Sizes Can Be Supplied Upon Request







Stainless Steel PVC Liquid Tight Conduit Grades SS 316/304

- Material: Stainless Steel Grades SS 316/304
- Jacket properties: Excellent mechanical strength with flexible capabilities, this jacket is resistant to oil, acid and sea water.
- Temperature:

Static Temp: -20°C to +105°C Flexing Temp: -5°C to +105°C

- Fire Performance:Flame retardant (BS EN 61386)
- Flexibility & Fatigue Life : Medium Flexibility – Medium Fatigue Life.
- IP Rating : IP67 (with recommended adaptor).
- UV Resistance : Very High (Black)



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|--------------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMSSPVCLT-16 | 16MM | 13MM | 16.5MM | 50MM | 50MM |
| ZMSSPVCLT-20 | 20MM | 16MM | 21.6MM | 65MM | 25MM |
| ZMSSPVCLT-25 | 25MM | 21MM | 26MM | 100MM | 25MM |
| ZMSSPVCLT-32 | 32MM | 28MM | 34MM | 135MM | 15MM |
| ZMSSPVCLT-40 | 40MM | 34MM | 39MM | 150MM | 10MM |

^{***}Other Sizes Can Be Supplied Upon Request







Stainless Steel Thermoplastic Liquid Tight Conduit Grades SS 316/304

- Material: Stainless Steel Grades SS 316/304
 String Packing with Thermoplastic Rubber
 Covering
- Temperature:

Static Temp: -20°C to +105°C Flexing Temp: -5°C to +105°C

• Fire Performance:

Flame retardant (BS EN 61386)

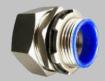
- Flexibility & Fatigue Life : Medium Flexibility – Medium Fatigue Life.
- IP Rating : IP67 (with recommended adaptor)
- UV Resistance : Very High (Black) High (Grey)



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-------------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMSSTPLT-16 | 16MM | 13MM | 16.5MM | 50MM | 50MM |
| ZMSSTPLT-20 | 20MM | 16MM | 21.6MM | 65MM | 25MM |
| ZMSSTPLT-25 | 25MM | 21MM | 26MM | 100MM | 25MM |
| ZMSSTPLT-32 | 32MM | 28MM | 34MM | 135MM | 15MM |
| ZMSSTPLT-40 | 40MM | 34MM | 39MM | 150MM | 10MM |

^{***}Other Sizes Can Be Supplied Upon Request







Stainless Steel (LSZH) Liquid Tight Conduit – Grades SS 316/304

Material: Stainless Steel Grades SS 316/304
 Core - String Packing with LSOH PVC Covering

Temperature:

Static Temp: -20°C to +90°C Flexing Temp: -5°C to +105°C

Fire Performance:

Limited Fire hazard, flame retardant (BS EN 61386)

low smoke, zero halogen.

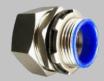
- Flexibility & Fatigue Life : Medium Flexibility – Medium Fatigue Life.
- IP Rating : IP67 (with recommended adaptor).
- UV Resistance : High



| Item Code | Size | Internal Diameter (MM) | External Diameter (MM) | Min. Bend Radius (MM) | Coil Packing (M) |
|-------------|------|------------------------------|------------------------------|-----------------------------|---------------------|
| ZMSSLSLT-16 | 16MM | 13MM | 16.5MM | 50MM | 50MM |
| ZMSSLSLT-20 | 20MM | 16MM | 21.6MM | 65MM | 25MM |
| ZMSSLSLT-25 | 25MM | 21MM | 26MM | 100MM | 25MM |
| ZMSSLSLT-32 | 32MM | 28MM | 34MM | 135MM | 15MM |
| ZMSSLSLT-40 | 40MM | 34MM | 39MM | 150MM | 10MM |

^{***}Other Sizes Can Be Supplied Upon Request







Fittings - Stainless Steel

Stainless Steel Flexible Adaptor



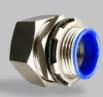
| Item Code | Size |
|-----------|-------|
| ZMSSA-016 | 16 MM |
| ZMSSA-020 | 20 MM |
| ZMSSA-025 | 25 MM |
| ZMSSA-032 | 32 MM |
| ZMSSA-040 | 40 MM |

- Temperature Range:
 Static Temp: -50°C To +350°C
 Dynamic Temp: -45°C To +250°C
- IP Rating : IP40 (with recommended conduit).
- Degree Of Mechanical Protection: Very High
- Materials: Stainless Steel SS 316/304 fixed body fitting for uncovered conduit

Temperature Range: Static Temp: -50°C To +350°C Dynamic Temp: -45°C To +250°C

- IP Rating : IP67 (with recommended conduit).
- Degree Of Mechanical Protection:
 Very High
- Materials: Stainless Steel SS 316/304 fixed body fitting for flexible conduit

Stainless Steel Liquid Tight Adaptor



| Item Code | Size |
|-------------|-------|
| ZMSSLNP-016 | 16 MM |
| ZMSSLNP-020 | 20 MM |
| ZMSSLNP-025 | 25 MM |
| ZMSSLNP-032 | 32 MM |
| ZMSSLNP-040 | 40 MM |

^{***}Other Sizes Can Be Supplied Upon Request



Installation Guide



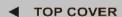
The conduit has to be held firmly by hand and a fine teeth saw is to be used to cut it. It has to be cut at right angles and any burrs should be trimmed either with a file or a sharp pair of strips.



PROCEDURE TO USE

FLEXIBLE CONDUIT





ADAPTOR







■ LOCK NUT

PROCEDURE



* Top Cover of adaptor assembly is to be fixed tightly on to the flexible conduit.



* The adaptor is to be inserted in a clockwise direction to the assembled flexible conduit with top cover





* Finally the threaded end is to be screwed with the lock nut provided.



IP Rating Guide

INGRESS
PROTECTION
MARKING



SOLID PROTECTION





Non protected





Protected against a solid object greater than 50 mm, such as a hand.





Protected against a solid object greater than 12 mm, such as a finger.





Protected against a solid object greater than 2.5 mm, such as a screwdriver.





Protected against a solid object greater than 1 mm, such as a most screws and wires.





Dust protected. Prevents ingress of dust sufficient to cause harm.

6



Dust tight. no ingress of dust.



The IP rating system is defined in international standard IEC 605029. IP ratings are used to classify and define of ingress protection on electrical devices against solids and water. By defining a rating, the IP system ensures specific levels of overate when products are faced with varying elements.

WATER PROTECTION

0



Non protected

1



Protected against vertical dripping water. Limited liquid entry.

2



Protected against vertical dripping water when tilted up 15°. Limited liquid entry.

3



Protected against spraying water at an angle 60° Limited liquid entry.

4



Protected against splashes of water at any angle. Limited liquid entry.

5



Protected against low pressure water jets from any directions. Limited liquid entry.

6



Protected against high pressure water jets from any directions. Limited liquid entry.

7



Protected against the effects immersion of water between 15 cm and 1 m for 30 minutes.

8



Protected against the effects immersion of water under pressure for long periods.

9



Protected from close-range, powerful, high-temperature water jets.



FLEXIBLE CONDUIT SYSTEMS

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