

# The CORRLOK System

## CL, CLL, CLH, CLFR and CLR



Five types of Flexible Nylon conduit for tough environments.

### CONSTRUCTION:

The Corrlok system conduits are produced by an extrusion/ corrugation process that results in flexible, seamless corrugated tube. Internal corrugations are well rounded to facilitate easier wire pulling. The Corrlok conduits provide lightweight, liquidtight, flexible raceway alternatives that are easy to work with and stand up to tough environments.

Specifically formulated nylons used are non toxic and self extinguishing, ensuring Corrlok is the conduit of choice in areas where fire hazards are of concern.

### APPLICATION:

Used in Industrial control equipment, passenger rail wiring, machine tools, fiber optics, robotics, wire harness, textile machinery, machine tools, medical equipment and molding extrusion equipment.

**Corrlok accessories** provide many configuration options for installing systems.

The accessories allow quick, simple method of assembly and are suited to pre wiring of harnesses. IP66 and IP68 fittings available.

Low profile fittings suit tight areas and are molded from high impact UL V-O nylon. One piece design ensures easy assembly and re use with just a push of the hand.

RoHS and WEEE Compliant.

Halogen free

Sunlight resistant

High pullout strength

Liquidtight equivalent to IP65 and IP68

Fitting material passes ASTM E662, ASTM E1662 , SMP 800-C

UL recognized

Flame resistant

Extreme temperature range

High impact and crush strength

## CL

Standard Weight.

**TYPE:** Provides mechanical strength and protection.

**CL** range has **different internal / external dimensions** than **CLL** and **CLH** products, to enable useage in all conditions, but with the same Corrlok guarantee of quality product.

UL recognized component, 600 Volt, 105 °C Vertical Flame, Liquidtight and Impact tested.

**STANDARD COLOURS:** Black

**WORKING TEMPERATURES:** -40°C to +105°C intermitting to 150°C

**PLASTIC USED:** Halogen Free Nylon 6  
See the *Chemical Resistance Guide* on [www.electriflex.com](http://www.electriflex.com).

### FITTINGS:

Refer CLCM ( IP66) and CLCMX ( IP68) part numbers

## CLL

Light Weight

**TYPE:** Lightweight version of the CL type with greater flexibility.  
UL recognized component, 600 Volt, 105 °C Vertical Flame, Liquidtight and Impact tested.

**STANDARD COLOURS:** Black

**WORKING TEMPERATURES:** -40°C to +105°C intermitting to 150°C

**PLASTIC USED:** Halogen Free Nylon 6  
See the *Chemical Resistance Guide* on [www.electriflex.com](http://www.electriflex.com).

### FITTINGS:

Refer CLCM ( IP66) and CLCMX ( IP68) part numbers

## CLL - CP

Light Weight Contractor Pack

**Contractor packs** are available in the **CLL** range, and are useful for those small jobs that still require quality liquidtight product with recognized working qualities.

Available in sizes 16mm, 20mm, 21mm, 25mm and 28mm, the packs include 10 metres of conduit and 10 fittings.

## CLH

Heavy Weight.

**TYPE:** Provides the best mechanical strength and protection.  
UL recognized component, 600 Volt, 105 °C Vertical Flame, Liquidtight and Impact tested.

**STANDARD COLOURS:** Black

**WORKING TEMPERATURES:** -40°C to +105°C intermitting to 150°C

**PLASTIC USED:** Halogen Free Nylon 6  
See the *Chemical Resistance Guide* on [www.electriflex.com](http://www.electriflex.com).

### FITTINGS:

Refer CLCM ( IP66) and CLCMX ( IP68) part numbers

# CLFR

Low Fire Hazard

**TYPE:** Manufactured from specially modified nylon material with excellent self extinguishing characteristics, minimal smoke and toxic gas generation.

Used in confined inhabited areas such as public transit and rail vehicles, subways, stations, tunnels.

UL recognized component, 600 Volt, 105 °C Vertical Flame, Liquidtight and Impact tested.

Tests include:

UL94 Vertical Burn

Flame spread Index ASTM E162

Smoke Generation ASTM E662

Toxic Gas Generation

Bombardier SMP 800-C

**STANDARD COLOURS:** Black

**WORKING TEMPERATURES:** -40°C to +105°C intermitting to 150°C

**PLASTIC USED:** Halogen Free Nylon 6 UL94 VO

See the Chemical Resistance Guide on [www.electriflex.com](http://www.electriflex.com).

**FITTINGS:**

Refer CLCM ( IP66) and CLCMX ( IP68) part numbers

# CLR

Robotics

**TYPE:** Lightweight, extremely flexible and well suited for robotics equipment, or applications that require continuous repetitive flexing motion.

UL recognized component, 600 Volt, 105 °C Vertical Flame, Liquidtight and Impact tested.

**STANDARD COLOURS:** Black

**WORKING TEMPERATURES:** -50°C to +95°C intermitting to 150°C

**PLASTIC USED:** Halogen Free Nylon 12

See the Chemical Resistance Guide on [www.electriflex.com](http://www.electriflex.com).

**FITTINGS:**

Refer CLCM ( IP66) and CLCMX ( IP68) part numbers

Part Number	Description
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## Light Duty

CLL010-B-25	10MM (6.5mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25 M
CLL010-B-50	10MM (6.5mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 50M
CLL013-B-25	13MM (10 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25 M
CLL013-B-50	13MM (10 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 50M
CLL016-B-10	15.8MM (12 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 10 M
CLL016-B-25	15.8MM (12 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25 M
CLL016-B-50	15.8MM (12 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 50M
CLL020-B-10	20MM (15.0 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 10 M
CLL020-B-25	20MM (15.0 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25 M
CLL020-B-50	20MM (15.0 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 50 M
CLL021-B-10	21MM (16.9 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 10 M
CLL021-B-25	21MM (16.9 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25 M
CLL021-B-50	21MM (16.9 mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 50M
CLL025-B-10	25MM (21.0mm I.D.)LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 10 M
CLL025-B-25	25MM (21.0mm I.D.)LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25 M
CLL025-B-50	25MM (21.0mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 50M
CLL028-B-10	28MM (23mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 10 M
CLL028-B-25	28MM (23mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25 M
CLL028-B-50	28MM (23mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 50M
CLL034-B-10	34MM (28.3mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 10 M
CLL034-B-25	34MM (28.3mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25M
CLL042-B-10	43MM (35.7mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 10 M
CLL042-B-25	43MM (35.7mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25M
CLL054-B-10	54MM (47.4mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 10 M
CLL054-B-25	54MM (47.4mm I.D.) LIGHT DUTY CORRLOK NYLON CONDUIT BLACK 25M
Contractor Packs	
CLL016-CP	16MM (12mm I.D.) CORRLOK NYLON PA6 UV RES. (10MTR) + 10 FITTINGS
CLL020-CP	20MM (15.0 mm I.D.) CORRLOK NYLON PA6 UV RES. (10MTR) + 10 FITTINGS
CLL021-CP	21MM (16.9mm I.D.) CORRLOK NYLON PA6 UV RES. (10MTR) + 10 FITTINGS
CLL025-CP	25MM (21.0mm I.D.) CORRLOK NYLON PA6 UV RES. (10MTR) + 10 FITTINGS
CLL028-CP	28MM (23mm I.D.) CORRLOK NYLON PA6 UV RES. (10MTR) + 10 FITTINGS
Standard Duty	
CL010-B-50	10MM (6.3mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 50 M
CL013-B-50	13MM (9.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 50 M
CL013-B-25	13MM (9.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 25 M
CL016-B-50	15.8MM (11.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 50 M
CL016-B-25	15.8MM (11.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 25 M
CL016-B-10	15.8MM (11.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 10 M
CL020-B-50	20MM (14.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 50 M
CL020-B-25	20MM (14.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 25 M
CL020-B-10	20MM (14.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 10 M
CL021-B-50	21.2MM (16.7mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 50 M

Part Number	Description
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CL021-B-25	21.2MM (16.7mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 25 M
CL021-B-10	21.2MM (16.7mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 10 M
CL025-B-50	25MM (19.1mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 50 M
CL025-B-25	25MM (19.1mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 25 M
CL025-B-10	25MM (19.1mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 10 M
CL028-B-50	28MM (22.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 50 M
CL028-B-25	28MM (22.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 25 M
CL028-B-10	28MM (22.8mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 10 M
CL034-B-50	34.5MM (28.1mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 50 M
CL034-B-25	34.5MM (28.1mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 25 M
CL034-B-10	34.5MM (28.1mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 10 M
CL042-B-50	42.5MM (35.5mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 50 M
CL042-B-25	42.5MM (35.5mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 25 M
CL042-B-10	42.5MM (35.5mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 10 M
CL054-B-25	54.5MM (47.2mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 25 M
CL054-B-10	54.5MM (47.2mm I.D.) STANDARD DUTY CORRLOK NYLON BLK CONDUIT 10 M
Heavy Duty	
CLH010-30	10MM (6.5mm I.D.) HEAVY DUTY PA6 UV RES. CORRLOK NYLON CONDUIT 30 M
CLH013-30	13MM (9.5mm I.D.) HEAVY DUTY PA6 UV RES. CORRLOK NYLON CONDUIT 30 M
CLH016-30	15.8MM (11.5mm I.D.) HEAVY DUTY PA6 UV RES. CORRLOK NYLON CONDUIT 30 M
CLH021-30	21MM (16mm I.D.) HEAVY DUTY PA6 UV RES. CORRLOK NYLON CONDUIT 30 M
CLH028-30	28.5MM (22.5mm I.D.) HEAVY DUTY PA6 UV RES. CORRLOK NYLON CONDUIT 30 M
CLH034-15	34.5MM (27.0mm I.D.) HEAVY DUTY PA6 UV RES. CORRLOK NYLON CONDUIT 15 M
CLH042-15	42.5MM (35.0mm I.D.) HEAVY DUTY PA6 UV RES. CORRLOK NYLON CONDUIT 15 M
CLH054-15	54.5MM (46.0mm I.D.) HEAVY DUTY PA6 UV RES. CORRLOK NYLON CONDUIT 15 M
Flame Resistant	
CLFR10B-100	10MM (6.5MM I.D.) FLAME RESIST CORRLOK PA6 UL94 VO BLACK 100M
CLFR13B-100	13MM (10MM I.D.) FLAME RESIST CORRLOK PA6 UL94 VO BLACK 100M
CLFR16B-50	16MM (12MM I.D.) FLAME RESIST CORRLOK PA6 UL94 VO BLACK 50M
CLFR21B-50	21MM (17.5MM I.D.) FLAME RESIST CORRLOK PA6 UL94 VO BLACK 50M
CLFR28B-50	28MM (23MM I.D.) FLAME RESIST CORRLOK PA6 UL94 VO BLACK 50M
CLFR34B-25	34MM (29MM I.D.) FLAME RESIST CORRLOK PA6 UL94 VO BLACK 25M
CLFR42B-25	42MM (36MM I.D.) FLAME RESIST CORRLOK PA6 UL94 VO BLACK 25M
CLFR54B-25	54MM (48MM I.D.) FLAME RESIST CORRLOK PA6 UL94 VO BLACK 25M
Robotic	
CLR10B-30	10MM (6.5MM I.D.) ROBOTIC NYLON CORRLOK BLACK 30M
CLR13B-30	13MM (9.6MM I.D.) ROBOTIC NYLON CORRLOK BLACK 30M
CLR16B-30	15.8MM (11.7MM I.D.) ROBOTIC NYLON CORRLOK BLACK 30M
CLR21B-30	21MM (16.6MM I.D.) ROBOTIC NYLON CORRLOK BLACK 30M
CLR28B-30	28.5MM (21.7MM I.D.) ROBOTIC NYLON CORRLOK BLACK 30M
CLR34B-15	34.5MM (27.4MM I.D.) ROBOTIC NYLON CORRLOK BLACK 15M
CLR42B-15	42.5MM (35.8MM I.D.) ROBOTIC NYLON CORRLOK BLACK 15M
CLR54B-15	54MM (46.7MM I.D.) ROBOTIC NYLON CORRLOK BLACK 15M

# CL Fittings

Part Number	Description
Fittings IP66	
CLCM10-M12	12MM ( 12MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM13-M16	13MM ( 16MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM16-M16	16MM ( 16MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM16-M20	16MM ( 20MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM20-M20	20MM ( 20MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM21-M20	21MM (20MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM25-M25	25MM ( 25MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM28-M25	28MM (25MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM34-M32	34MM (32MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM42-M40	42MM (40MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM54-M50	54MM (50MM THREAD) CORRLOK STRAIGHT NYLON IP66
CLCM21-M20-45	21MM (20MM THREAD) CORRLOK 45 DEG NYLON IP66
CLCM28-M25-45	28MM (25MM THREAD) CORRLOK 45 DEG NYLON IP66
CLCM34-M32-45	34MM (32MM THREAD) CORRLOK 45 DEG NYLON IP66
CLCM42-M40-45	42MM (40MM THREAD) CORRLOK 45 DEG NYLON IP66
CLCM54-M50-45	54MM (50MM THREAD) CORRLOK 45 DEG NYLON IP66
CLCM10-M12-90	10MM (12mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM13-M16-90	13MM (16mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM16-M20-90	16MM (20mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM16-M16-90	16MM (16mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM20-M20-90	20MM (20mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM21-M20-90	21MM (20mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM25-M25-90	25MM (25mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM28-M25-90	28MM (25mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM34-M32-90	34MM (32mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM42-M40-90	42MM (40mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
CLCM54-M50-90	54MM (50mm Thread) 90 DEG CORRLOK NYLON FITTING IP66
Fittings IP68	
CLCMX10-M12	IP68 10mm Conduit 12mm thread Straight CORRLOK NYLON
CLCMX13-M16	IP68 13mm Conduit 16mm Thread Straight CORRLOK NYLON
CLCMX16-M16	IP68 16mm Conduit 16mm Thread Straight CORRLOK NYLON
CLCMX16-M20	IP68 16mm Conduit 20mm Thread Straight CORRLOK NYLON
CLCMX21-M20	IP68 21mm Conduit 20mm Thread Straight CORRLOK NYLON
CLCMX28-M25	IP68 28mm Conduit 25mm Thread Straight CORRLOK NYLON
CLCMX34-M32	IP68 34mm Conduit 32mm Thread Straight CORRLOK NYLON
CLCMX42-M40	IP68 42mm Conduit 40mm Thread Straight CORRLOK NYLON
CLCMX54-M50	IP68 54mm Conduit 50mm Thread Straight CORRLOK NYLON

Part Number	Description
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CLCMX10-M12-90	IP68 10mm Conduit 12mm thread 90 DEG CORRLOK NYLON
CLCMX13-M16-90	IP68 13mm Conduit 16mm Thread 90 DEG CORRLOK NYLON
CLCMX16-M16-90	IP68 16mm Conduit 16mm Thread 90 DEG CORRLOK NYLON
CLCMX16-M20-90	IP68 16mm Conduit 20mm Thread 90 DEG CORRLOK NYLON
CLCMX21-M20-90	IP68 21mm Conduit 20mm Thread 90 DEG CORRLOK NYLON
CLCMX28-M25-90	IP68 28mm Conduit 25mm Thread 90 DEG CORRLOK NYLON
CLCMX34-M32-90	IP68 34mm Conduit 32mm Thread 90 DEG CORRLOK NYLON
CLCMX42-M40-90	IP68 42mm Conduit 40mm Thread 90 DEG CORRLOK NYLON
CLCMX54-M50-90	IP68 54mm Conduit 50mm Thread 90 DEG CORRLOK NYLON
CLCMX10-M12-CGB	IP68 10MM ( 12MM THREAD) BLACK CORRLOK CABLE GLAND STRAIGHT
CLCMX13-M16-CGB	IP68 13MM ( 16MM THREAD) BLACK CORRLOK CABLE GLAND STRAIGHT
CLCMX16-M16-CGB	IP68 16MM ( 16MM THREAD) BLACK CORRLOK CABLE GLAND STRAIGHT
CLCMX21-M20-CGB	IP68 21MM ( 20MM THREAD) BLACK CORRLOK CABLE GLAND STRAIGHT
CLCMX28-M25-CGB	IP68 28MM ( 25MM THREAD) BLACK CORRLOK CABLE GLAND STRAIGHT
CLCMX34-M32-CGB	IP68 34MM ( 32MM THREAD) BLACK CORRLOK CABLE GLAND STRAIGHT
CLCMX42-M40-CGB	IP68 42MM ( 40MM THREAD) BLACK CORRLOK CABLE GLAND STRAIGHT
CLCMX54-M50-CGB	IP68 54MM ( 50MM THREAD) BLACK CORRLOK CABLE GLAND STRAIGHT
CLCMX54-M63-CGB	IP68 54MM ( 63MM THREAD) BLACK CORRLOK CABLE GLAND STRAIGHT
CLCMX13-BM16	13MM (16MM THREAD) STRAIGHT NYLON/ BRASS IP68
CLCMX16-BM16	16MM (16MM THREAD) STRAIGHT NYLON/ BRASS IP68
CLCMX16-BM20	16MM (20MM THREAD) STRAIGHT NYLON/ BRASS IP68
CLCMX21-BM20	21MM (20MM THREAD) STRAIGHT NYLON/ BRASS IP68
CLCMX28-BM25	28MM (25MM THREAD) STRAIGHT NYLON/ BRASS IP68
CLCMX34-BM32	34MM (32MM THREAD) STRAIGHT NYLON/ BRASS IP68
CLCMX42-BM40	42MM (40MM THREAD) STRAIGHT NYLON/ BRASS IP68
CLCMX54-BM50	54MM (50MM THREAD) STRAIGHT NYLON/ BRASS IP68
CLCMX13-BM16-90	13MM (16MM THREAD) 90 DEG NYLON/ BRASS IP68
CLCMX16-BM16-90	16MM (16MM THREAD) 90 DEG NYLON/ BRASS IP68
CLCMX16-BM20-90	16MM (20MM THREAD) 90 DEG NYLON/ BRASS IP68
CLCMX21-BM20-90	21MM (20MM THREAD) 90 DEG NYLON/ BRASS IP68
CLCMX28-BM25-90	28MM (25MM THREAD) 90 DEG NYLON/ BRASS IP68
CLCMX34-BM32-90	34MM (32MM THREAD) 90 DEG NYLON/ BRASS IP68
CLCMX42-BM40-90	42MM (40MM THREAD) 90 DEG NYLON/ BRASS IP68
CLCMX54-BM50-90	54MM (50MM THREAD) 90 DEG NYLON/ BRASS IP68
CLX16-CLX16	15.8MM TO 15.8MM CORRLOK NYLON COUPLER IP68
CLX21-CLX21	21MM TO 21MM CORRLOK NYLON COUPLER IP68
CLX28-CLX28	28MM TO 28MM CORRLOK NYLON COUPLER IP68
CLX34-CLX34	34MM TO 34MM CORRLOK NYLON COUPLER IP68
CLX42-CLX42	42MM TO 42MM CORRLOK NYLON COUPLER IP68
CLX54-CLX54	54MM TO 54MM CORRLOK NYLON COUPLER IP68



<b>Part Number</b>	<b>Description</b>
CLCM13Y	13MM Y CORRLOK FITTING
CLCM16Y	16MM Y CORRLOK FITTING
CLCM21Y	21MM Y CORRLOK FITTING
CLCM28Y	28MM Y CORRLOK FITTING
CLCM34Y	34MM Y CORRLOK FITTING

## Type NM



### Non Metallic Conduit

NM is a multi purpose non metallic conduit offering protection from abrasion, corrosion, sunlight, mild acids, oils and alkalis.

**CONSTRUCTION:** Rigid PVC spiral rib within flexible PVC wall.

**APPLICATION:** Used for outdoor applications such as air conditioning .

**PLASTIC USED:** PVC

**RoHS and WEEE** Compliant

**STANDARD COLOURS:** Black and Grey

**WORKING TEMPERATURES:** -20°C to +80°C.

**CHEMICAL RESISTANCE:**

Refer *Chemical Resistance Guide* on [www.electriflex.com](http://www.electriflex.com).

**FITTINGS:** Use non metallic fittings. Type NMCM.

## Type EFNМ

### Extra Flexible Non Metallic Conduit

**Extra Flexible :** Orange colour, Sizes 16mm to 63mm. Oil and sunlight resistant.

**WORKING TEMPERATURES:** -20°C to +70°C

**FITTINGS:** Use NMCM fittings as per Non Metallic Fittings Section of catalogue

Part Number	Description
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**NMO**

NM016-B-10	16MM (12.5mm I.D.) NON MET OIL,UV RESISTANT BLACK CONDUIT 10M
NM016-B-30	16MM (12.5mm I.D.) NON MET OIL,UV RESISTANT BLACK CONDUIT 30M
NM016-G-30	16MM (12.5mm I.D.) NON MET OIL,UV RESISTANT GREY CONDUIT 30M
NM020-B-10	20MM (16mm I.D.) NON MET,OIL ,UV RESISTANT BLACK CONDUIT 10M
NM020-B-30	20MM (16mm I.D.) NON MET,OIL ,UV RESISTANT BLACK CONDUIT 30M
NM020-G-30	20MM (16mm I.D.) NON MET,OIL ,UV RESISTANT GREY CONDUIT 30M
NM025-B-10	25MM (21mm I.D.) NON MET,OIL ,UV RESISTANT BLACK CONDUIT 10M
NM025-B-30	25MM (21mm I.D.) NON MET,OIL ,UV RESISTANT BLACK CONDUIT 30M
NM025-G-30	25MM (21mm I.D.) NON MET,OIL ,UV RESISTANT GREY CONDUIT 30M
NM032-B-10	32MM (26.5mm I.D.) NON MET,OIL ,UV RESISTANT BACK CONDUIT 10M
NM032-B-30	32MM (26.5mm I.D.) NON MET,OIL ,UV RESISTANT BACK CONDUIT 30M
NM032-G-30	32MM (26.5mm I.D.) NON MET,OIL ,UV RESISTANT GREY CONDUIT 30M
NM040-B-10	40MM (35mm I.D.) NON MET,OIL ,UV RESISTANT BLACK CONDUIT 10M
NM040-B-30	40MM (35mm I.D.) NON MET,OIL ,UV RESISTANT BLACK CONDUIT 30M
NM040-G-30	40MM (35mm I.D.) NON MET,OIL ,UV RESISTANT GREY CONDUIT 30M
NM050-B-15	50MM (40.5mm I.D.) NON MET,OIL ,UV RESISTANT BLACK CONDUIT 15M
NM050-G-15	50MM (40.5mm I.D.) NON MET,OIL ,UV RESISTANT GREY CONDUIT 15M
NM063-B-15	63MM (51.5mm I.D.) NON MET,OIL ,UV RESISTANT BLACK CONDUIT 15M
NM063-G-15	63MM (51.5mm I.D.) NON MET,OIL ,UV RESISTANT GREY CONDUIT 15M

**EFNM**

EFNM016-O-10	16MM (12.5mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 10M
EFNM016-O-30	16MM (12.5mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 30M
EFNM020-O-10	20MM (16mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 10M
EFNM020-O-30	20MM (16mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 30M
EFNM025-O-10	25MM (21mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 10M
EFNM025-O-30	25MM (21mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 30M
EFNM032-O-10	32MM (26.5mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 10M
EFNM032-O-30	32MM (26.5mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 30M
EFNM040-O-10	40MM (35mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 10M
EFNM040-O-30	40MM (35mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 30M
EFNM050-O-15	50MM (40.5mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 15M
EFNM063-O-15	63MM (51.5mm I.D.) NON MET XTRA FLEX OIL UV RES. ORG CONDUIT 15M

# Type NMHT



## High temperature Non Metallic Flexible Conduit.

**CONSTRUCTION:** PVC conduit manufactured to withstand High temperature environments. Self extinguishing, oil resistant, acid resistant and a high mechanical strength with rigid PVC spiral reinforcement within the wall.

**APPLICATION:** Used to contain conductors having insulation materials with higher temperature ratings and approved for direct underground burial.

**RoHS** and **WEEE** Compliant.

**STANDARD COLOURS:** Black

**WORKING TEMPERATURES:** -20°C to + 105°C Dry / 60°C Wet and 70°C Oil

**PLASTIC USED:** PVC

*See the Chemical Resistance Guide*

**FITTINGS:** Use NMCM fittings as per Non Metallic Fittings Section of catalogue

Part Number	Description
NMHT016 -30	16MM (12.5mm I.D.) HIGH TEMPERATURE PVC IP65 CONDUIT 30 M
NMHT020 -30	20MM (16mm I.D.) HIGH TEMPERATURE PVC IP65 CONDUIT 30 M
NMHT025 -30	25MM (21mm I.D.) HIGH TEMPERATURE PVC IP65 CONDUIT 30 M
NMHT032 -30	32MM (26.5mm I.D.) HIGH TEMPERATURE PVC IP65 CONDUIT 30 M
NMHT040-15	40MM (35mm I.D.) HIGH TEMPERATURE PVC IP65 CONDUIT 15 M
NMHT050-15	50MM (40.5mm I.D.) HIGH TEMPERATURE PVC IP65 CONDUIT 15 M

## Type NMXOR



### Extreme Oil resistant Non Metallic Flexible Conduit.

**CONSTRUCTION:** Highly Flexible PVC conduit with UPVC reinforcement and flexible PVC jacket. This flexible conduit has high oil resistance, self extinguishing and IP 66 rated. The conduit allows for all movement that can be created by applying torque in opposite directions to each end.

**APPLICATION:** Used in areas where fire hazards are a concern and where extreme oil resistance is required. E.g. routing of cables within machinery.

RoHS and WEEE Compliant.

**STANDARD COLOURS:** Green

**WORKING TEMPERATURES:** -20°C to + 70°C

**PLASTIC USED:** PVC

*See the Chemical Resistance Guide*

**FITTINGS:** Refer NMCM fittings, or LC metal fittings

Part Number	Description
NMXOR016GN-30	16MM (12.5mm I.D.) XTRA FLEX OIL RESIST PVC GN IP66 CONDUIT 30 M
NMXOR020GN-30	20MM (16mm I.D.) XTRA FLEX OIL RESIST PVC GN IP66 CONDUIT 30 M
NMXOR025GN-30	25MM (21mm I.D.) XTRA FLEX OIL RESIST PVC GN IP66 CONDUIT 30 M
NMXOR032GN-30	32MM (26.5mm I.D.) XTRA FLEX OIL RESIST PVC GN IP66 CONDUIT 30 M
NMXOR040GN-15	40MM (35mm I.D.) XTRA FLEX OIL RESIST PVC GN IP66 CONDUIT 15 M
NMXOR050GN-15	50MM (40.5mm I.D.) XTRA FLEX OIL RESIST PVC GN IP66 CONDUIT 15 M

# Type NM2



## Liquidtight Flexible Non Metallic Conduit

NM2 is extra flexible liquidtight non metallic conduit which cuts and installs easily and quickly. Ideal for wiring protection in small tight areas and tight bends. Thin flexible PVC skin allows greater movement for many applications. NM2 is self extinguishing, oil and acid resistant.

**CONSTRUCTION:** Co extruded from both flexible and rigid PVC with rigid spiral PVC reinforcement embedded within wall of tubing.

**APPLICATION:** Can be used for wiring harnesses, laboratory equipment and fiber optics.

**PLASTIC USED:** PVC

**RoHS and WEEE Compliant**

**STANDARD COLOURS:** Black

**WORKING TEMPERATURES:** -20°C to +70°C.

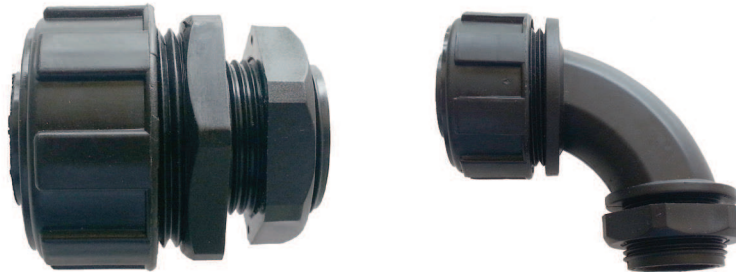
**CHEMICAL RESISTANCE:**

Refer *Chemical Resistance Guide* on [www.electriflex.com](http://www.electriflex.com).

**FITTINGS:** Use non metallic liquidtight fittings.

Part Number	Description
NM2016-B-30	16MM (12.5mm I.D.) L/TIGHT PVC OIL,ACID RESISTANT BLACK 30M
NM2020-B-30	20MM (16mm I.D.) L/TIGHT PVC OIL ,ACID RESISTANT BLACK 30M
NM2025-B-30	25MM (21mm I.D.) L/TIGHT PVC OIL ,ACID RESISTANT BLACK 30M
NM2032-B-30	32MM (26.5mm I.D.) L/TIGHT PVC OIL ,ACID RESISTANT BACK 30M
NM2040-B-30	40MM (35mm I.D.) L/TIGHT PVC OIL ,ACID RESISTANT BLACK 30M
NM2050-B-15	50MM (40.5mm I.D.) L/TIGHT PVC OIL ,ACID RESISTANT BLACK 15M
NM2063-B-15	63MM (51.5mm I.D.) L/TIGHT PVC OIL ,ACID RESISTANT BLACK 15M

## Non Metallic Fittings



Non metallic fittings provide an alternative to metal systems and are lighter, cost effective and easier to install.

Fittings available have been tested for impact resistance, operating temperatures, chemical and fire resistance.

For specific fitting requirements that are not listed please contact us on (02) 8768 4029

Or email your query to [sales@lnc.net.au](mailto:sales@lnc.net.au)

Part Number	Description
NMCM-16	16 MM NON METALLIC STRAIGHT NYLON FITTING
NMCM-20	20MM NON METALLIC STRAIGHT NYLON FITTING
NMCM-25	25MM NON METALLIC STRAIGHT NYLON FITTING
NMCM-32	32MM NON METALLIC STRAIGHT NYLON FITTING
NMCM-16-90	16MM NON METALLIC 90 DEG NYLON FITTING
NMCM-20-90	20MM NON METALLIC 90 DEG NYLON FITTING
NMCM-25-90	25MM NON METALLIC 90 DEG NYLON FITTING
NMCM-32-90	32MM NON METALLIC 90 DEG NYLON FITTING
NMCM-40	40 MM NON METALLIC STRAIGHT NYLON FITTING
NMCM-40-90	40MM NON METALLIC 90 DEG NYLON FITTING
NMCM-50	50MM NON METALLIC STRAIGHT NYLON FITTING

## Non Metallic Accessories

Part Number	Description
Conduit Clips	
CLCC16	16MM CONDUIT CLIP NYLON WITH INTEGRAL LID
CLCC21	21MM CONDUIT CLIP NYLON WITH INTEGRAL LID
CLCC28	28MM CONDUIT CLIP NYLON WITH INTEGRAL LID
CLCC34	34MM CONDUIT CLIP NYLON WITH INTEGRAL LID
CLCC42	42MM CONDUIT CLIP NYLON WITH INTEGRAL LID
CLCC54	54MM CONDUIT CLIP NYLON WITH INTEGRAL LID
Locknuts	
LNN-12	12MM NYLON LOCKNUT
LNN-16	16MM NYLON LOCKNUT
LNN-20	20MM NYLON LOCKNUT
LNN-25	25MM NYLON LOCKNUT
LNN-32	32MM NYLON LOCKNUT
LNN-40	40MM NYLON LOCKNUT
LNN-50	50MM NYLON LOCKNUT
LNN-63	63MM NYLON LOCKNUT
Washers	
SWN12	12MM SEALING WASHER NEOPRENE
SWN16	16MM SEALING WASHER NEOPRENE
SWN20	20MM SEALING WASHER NEOPRENE
SWN25	25MM SEALING WASHER NEOPRENE
SWN32	32MM SEALING WASHER NEOPRENE
SWN40	40MM SEALING WASHER NEOPRENE
SWN50	50MM SEALING WASHER NEOPRENE
SWN63	63MM SEALING WASHER NEOPRENE
SWF12	12MM SEALING WASHER FIBRE
SWF16	16MM SEALING WASHER FIBRE
SWF20	20MM SEALING WASHER FIBRE
SWF25	25MM SEALING WASHER FIBRE
SWF32	32MM SEALING WASHER FIBRE
SWF40	40MM SEALING WASHER FIBRE
SWF50	50MM SEALING WASHER FIBRE
SWF63	63MM SEALING WASHER FIBRE
End Sleeves	
RES13	13MM (outlet ID 5mm) RUBBER END SLEEVE
RES17	16MM (outlet ID 5mm) RUBBER END SLEEVE
RES20	20/21MM (outlet ID 7mm) RUBBER END SLEEVE
RES22	21MM (outlet ID 8mm) RUBBER END SLEEVE
RES24	25MM (outlet ID 9mm) RUBBER END SLEEVE



## Metallic Fittings



Liquidtight Fittings are available in Nickel Plated Brass, Zinc Plated Steel and Stainless Steel. Sealing ensures IP66 rating and connectors are available in Straight, 90 Degrees, and 45 Degrees, with either a Male or Female connection thread.

Locknuts, O Rings and Ferrules are also available to suit conduit.

Thread Types are a standard ISO Metric, but are also available with PG Metric, NPT and BSP thread.

Space Saver connectors are for use when connecting conduit to thin wall enclosures. A Bush is used with a Female connector to produce a Space Saver.

**Part number identification:** When ordering all Fittings, part numbers start with **LC**. Refer Chart for part number identification for fittings and conduit

Part Number	Description
LC-16	16MM LIQUIDTIGHT STRAIGHT STEEL FITTING
LC-16/20	16/20MM LIQUIDTIGHT STGHT STEEL FITTING
LC-16/20-45	16/20MM LIQUIDTIGHT 45 DEG STEEL FITTING
LC-16/20-45-B	16/20MM LIQUIDTIGHT 45 DEG BRASS FITTING
LC-16/20-90	16/20MM LIQUIDTIGHT 90 DEG STEEL FITTING
LC-16/20-90-B	16/20MM LIQUIDTIGHT 90 DEG BRASS FITTING
LC-16/20-90-SS	16/20MM LIQUIDTIGHT 90 DEG S/STEEL FITT.
LC-16/20-B	16/20MM LIQUIDTIGHT STGHT BRASS FITTING
LC-16/20-FH	16/20MM ISOMETRIC FEMALE HUB FITTING



Ferrule

O Ring

## Liquidtight Steel, Brass and Stainless Steel

Part Number	Description
LC-16	16MM LIQUIDTIGHT STRAIGHT STEEL FITTING
LC-16/20	16/20MM LIQUIDTIGHT STGHT STEEL FITTING
LC-16/20-45	16/20MM LIQUIDTIGHT 45 DEG STEEL FITTING
LC-16/20-45-B	16/20MM LIQUIDTIGHT 45 DEG BRASS FITTING
LC-16/20-90	16/20MM LIQUIDTIGHT 90 DEG STEEL FITTING
LC-16/20-90-B	16/20MM LIQUIDTIGHT 90 DEG BRASS FITTING
LC-16/20-90-SS	16/20MM LIQUIDTIGHT 90 DEG S/STEEL FITT.
LC-16/20-B	16/20MM LIQUIDTIGHT STGHT BRASS FITTING
LC-16/20-FH	16/20MM ISOMETRIC FEMALE HUB FITTING
LC-16/20-FH-B	16/20MM ISOMETRIC FEMALE BRASS FITTING
LC-16/20-SS	16/20MM LIQUIDTIGHT STR. S/STEEL FITTING
LC-16-45	16MM LIQUIDTIGHT 45 DEG STEEL FITTING
LC-16-45-B	16MM LIQUIDTIGHT 45 DEG BRASS FITTING
LC-16-90	16MM LIQUIDTIGHT 90 DEG STEEL FITTING
LC-16-90-B	16MM LIQUIDTIGHT 90 DEG BRASS FITTING
LC-16-B	16MM LIQUIDTIGHT STRAIGHT BRASS FITTING
LC-16-SPS	16MM SPACE SAVER CHASE STR. FITTING
LC-20	20MM LIQUIDTIGHT STRAIGHT STEEL FITTING
LC-20-45	20MM LIQUIDTIGHT 45 DEG STEEL FITTING
LC-20-45-B	20MM LIQUIDTIGHT 45 DEG BRASS FITTING
LC-20-90	20MM LIQUIDTIGHT 90 DEG STEEL FITTING
LC-20-90-B	20MM LIQUIDTIGHT 90 DEG BRASS FITTING
LC-20-90-SS	20MM LIQUIDTIGHT 90 DEG S/STEEL FITTING
LC-20-B	20MM LIQUIDTIGHT STRAIGHT BRASS FITTING
LC-20-FH	20MM ISOMETRIC FEMALE HUB FITTING
LC-20-FH-B	20MM ISOMETRIC FEMALE HUB BRASS FITTING
LC-20-SPS	20MM SPACE SAVER CHASE STR. FITTING
LC-20-SS	20MM LIQUIDTIGHT STGHT S/STEEL FITTING
LC-25	25MM LIQUIDTIGHT STRAIGHT STEEL FITTING
LC-25-45	25MM LIQUIDTIGHT 45 DEG STEEL FITTING
LC-25-45-B	25MM LIQUIDTIGHT 45 DEG BRASS FITTING
LC-25-90	25MM LIQUIDTIGHT 90 DEG STEEL FITTING
LC-25-90-B	25MM LIQUIDTIGHT 90 DEG BRASS FITTING
LC-25-90-SS	25MM LIQUIDTIGHT 90 DEG. S/STEEL FITTING
LC-25-B	25MM LIQUIDTIGHT STRAIGHT BRASS FITTING
LC-25-FH	25MM ISOMETRIC FEMALE HUB FITTING
LC-25-FH-B	25MM ISOMETRIC FEMALE HUB FITTING BRASS
LC-25-SPS	25MM SPACE SAVER CHASE STR. FITTING
LC-25-SS	25MM LIQUIDTIGHT STGHT S/STEEL FITTING
LC-32	32MM LIQUIDTIGHT STRAIGHT STEEL FITTING
LC-32-45	32MM LIQUIDTIGHT 45 DEG STEEL FITTING

Part Number	Description
LC-32-45-B	32MM LIQUIDTIGHT 45 DEG BRASS FITTING
LC-32-90	32MM LIQUIDTIGHT 90 DEG STEEL FITTING
LC-32-90-B	32MM LIQUIDTIGHT 90 DEGREE BRASS FITTING
LC-32-90-SS	32MM LIQUIDTIGHT 90 DEG. S/STEEL FITTING
LC-32-B	32MM LIQUIDTIGHT STRAIGHT BRASS FITTING
LC-32-FH	32MM ISOMETRIC FEMALE HUB FITTING
LC-32-FH-B	32MM ISOMETRIC FEMALE HUB BRASS FITTING
LC-32-SPS	32MM SPACE SAVER CHASE STR. FITTING
LC-32-SS	32MM LIQUIDTIGHT STGHT S/STEEL FITTING
LC-40	40MM LIQUIDTIGHT STRAIGHT STEEL FITTING
LC-40-45	40MM LIQUIDTIGHT 45 DEGREE STEEL FITTING
LC-40-45-B	40MM LIQUIDTIGHT 45 DEGREE BRASS FITTING
LC-40-90	40MM LIQUIDTIGHT 90 DEG STEEL FITTING
LC-40-90-B	40MM LIQUIDTIGHT 90 DEGREE BRASS FITTING
LC-40-90-SS	40MM LIQUIDTIGHT 90 DEG. S/STEEL FITTING
LC-40-B	40MM LIQUIDTIGHT STRAIGHT BRASS FITTING
LC-40-SS	40MM LIQUIDTIGHT STGHT S/STEEL FITTING
LC-40-FH-B	40MM ISOMETRIC FEMALE HUB BRASS FITTING
LC-50	50MM LIQUIDTIGHT STRAIGHT STEEL FITTING
LC-50-45	50MM LIQUIDTIGHT 45 DEGREE STEEL FITTING
LC-50-45-B	50MM LIQUIDTIGHT 45 DEGREE BRASS FITTING
LC-50-90	50MM LIQUIDTIGHT 90 DEG STEEL FITTING
LC-50-90-B	50MM LIQUIDTIGHT 90 DEGREE BRASS FITTING
LC-50-90-SS	50MM LIQUIDTIGHT 90 DEG. S/STEEL FITTING
LC-50-B	50MM LIQUIDTIGHT STRAIGHT BRASS FITTING
LC-50-SS	50MM LIQUIDTIGHT STGHT S/STEEL FITTING
LC-50-FH-B	50MM ISOMETRIC FEMALE HUB BRASS FITTING
LC-63	63MM LIQUIDTIGHT STRAIGHT STEEL FITTING
LC-63-45	63MM LIQUIDTIGHT 45 DEGREE STEEL FITTING
LC-63-45-B	63MM LIQUIDTIGHT 45 DEG BRASS FITTING
LC-63-90	63MM LIQUIDTIGHT 90 DEG STEEL FITTING
LC-63-90-B	63MM LIQUIDTIGHT 90 DEGREE BRASS FITTING
LC-63-90-SS	63MM LIQUIDTIGHT 90 DEG. S/STEEL FITTING
LC-63-B	63MM LIQUIDTIGHT STRAIGHT BRASS FITTING
LC-63-SS	63MM LIQUIDTIGHT STGHT S/STEEL FITTING
LC-80	80MM LIQUIDTIGHT STRAIGHT STEEL FITTING - NPT THREAD
LC-100	100MM LIQUIDTIGHT STRAIGHT STEEL FITTING - NPT THREAD

## Metallic Accessories

Part Number	Description
<b>Locknuts</b>	
LNB-12	12MM NICKEL PLATED BRASS LOCKNUT
LNB-16	16MM NICKEL PLATED BRASS LOCKNUT
LNB-20	20MM NICKEL PLATED BRASS LOCKNUT
LNB-25	25MM NICKEL PLATED BRASS LOCKNUT
LNB-32	32MM NICKEL PLATED BRASS LOCKNUT
LNB-40	40MM NICKEL PLATED BRASS LOCKNUT
LNB-50	50MM NICKEL PLATED BRASS LOCKNUT
LNB-63	63MM NICKEL PLATED BRASS LOCKNUT
LNS-12	12MM ZINC PLATED STEEL LOCKNUT
LNS-16	16MM ZINC PLATED STEEL LOCKNUT
LNS-20	20MM ZINC PLATED STEEL LOCKNUT
LNS-25	25MM ZINC PLATED STEEL LOCKNUT
LNS-32	32MM ZINC PLATED STEEL LOCKNUT
LNS-40	40MM ZINC PLATED STEEL LOCKNUT
LNS-50	50MM ZINC PLATED STEEL LOCKNUT
LNS-63	63MM ZINC PLATED STEEL LOCKNUT
LNSS-20	20MM STAINLESS STEEL LOCKNUT
LNSS-25	25MM STAINLESS STEEL LOCKNUT
LNSS-32	32MM STAINLESS STEEL LOCKNUT
<b>Ferrules</b>	
LT-16F	16MM LIQUATITE ZINC PLATED STEEL FERRULES
LT-20F	20MM LIQUATITE ZINC PLATED STEEL FERRULES
LT-25F	25MM LIQUATITE ZINC PLATED STEEL FERRULES
LT-32F	32MM LIQUATITE ZINC PLATED STEEL FERRULES
LT-40F	40MM LIQUATITE ZINC PLATED STEEL FERRULES
LT-50F	50MM LIQUATITE ZINC PLATED STEEL FERRULES
LT-63F	63MM LIQUATITE ZINC PLATED STEEL FERRULES

Part Number	Description
LT-16FB	16MM LIQUATITE BRASS FERRULES
LT-20FB	20MM LIQUATITE BRASS FERRULES
LT-25FB	25MM LIQUATITE BRASS FERRULES
LT-32FB	32MM LIQUATITE BRASS FERRULES
LT-40FB	40MM LIQUATITE BRASS FERRULES
LT-50FB	50MM LIQUATITE BRASS FERRULES
LT-63FB	63MM LIQUATITE BRASS FERRULES
<b>Bonded O Ring</b>	
SOR-16	16MM SEALING 'O' RING
SOR-20	20MM SEALING 'O' RING
SOR-25	25MM SEALING 'O' RING
SOR-32	32MM SEALING 'O' RING
SOR-40	40MM SEALING 'O' RING
SOR-50	50MM SEALING 'O' RING
SOR-63	63MM SEALING 'O' RING
<b>P Clips</b>	
SPC10	10MM Steel P Clip with PVC liner
SPC12	12MM Steel P Clip with PVC liner
SPC16	16MM Steel P Clip with PVC liner
SPC20	20MM Steel P Clip with PVC liner
SPC25	25MM Steel P Clip with PVC liner
SPC32	32MM Steel P Clip with PVC liner
SPC40	40MM Steel P Clip with PVC liner
SPC50	50MM Steel P Clip with PVC liner
SPC63	63MM Steel P Clip with PVC liner
<b>Joiners</b>	
LTJ016B	16MM LIQUATITE JOINER NICKEL PLATED BRASS
LTJ020B	20MM LIQUATITE JOINER NICKEL PLATED BRASS
LTJ025B	25MM LIQUATITE JOINER NICKEL PLATED BRASS
LTJ032B	32MM LIQUATITE JOINER NICKEL PLATED BRASS
<b>Couplers</b>	
CB16	COUPLER 16MM BRASS
CB20	COUPLER 20MM BRASS
CB25	COUPLER 25MM BRASS
CB32	COUPLER 32MM BRASS

<b>Part Number</b>	<b>Description</b>
CB40	COUPLER 40MM BRASS
CB50	COUPLER 50MM BRASS
CB63	COUPLER 63MM BRASS
<b>Earth Tags</b>	
ET20	20MM EARTH TAG WASHER BRASS
ET25	25MM EARTH TAG WASHER BRASS
ET32	32MM EARTH TAG WASHER BRASS
ET40	40MM EARTH TAG WASHER BRASS
<b>Elbows</b>	
ELBM16-90B	ELBOW INT/EXT THREAD 16MM 90 DEG BRASS
ELBM20-90B	ELBOW INT/EXT THREAD 20MM 90 DEG BRASS
ELBM25-90B	ELBOW INT/EXT THREAD 25MM 90 DEG BRASS
ELBM32-90B	ELBOW INT/EXT THREAD 32MM 90 DEG BRASS
ELBM40-90B	ELBOW INT/EXT THREAD 40MM 90 DEG BRASS
ELBM50-90B	ELBOW INT/EXT THREAD 50MM 90 DEG BRASS
<b>Enlargers &amp; Reducers</b>	
ENL-M16-M20-B	ENLARGER EXT 16MM INT 20MM BRASS
RED-M20-M16-B	REDUCER EXT 20MM INT 16MM BRASS
ENL-M20-M25-B	ENLARGER EXT 20MM INT 25MM BRASS
RED-M25-M20-B	REDUCER EXT 25MM INT 20MM BRASS
ENL-M25-M32-B	ENLARGER EXT 25MM INT 32MM BRASS
RED-M32-M20-B	REDUCER EXT 32MM INT 20MM BRASS
RED-M32-M25-B	REDUCER EXT 32MM INT 25MM BRASS
ENL-M32-M40-B	ENLARGER EXT 32MM INT 40MM BRASS
RED-M40-M32-B	REDUCER EXT 40MM INT 32MM BRASS
RED-M50-M32-B	REDUCER EXT 50MM INT 32MM BRASS
RED-M50-M40-B	REDUCER EXT 50MM INT 40MM BRASS
RED-M63-M40-B	REDUCER EXT 63MM INT 40MM BRASS
RED-M63-M50-B	REDUCER EXT 63MM INT 50MM BRASS
<b>Converters</b>	
CONV-PG9-M16-B	THREAD CONVERTER PG9 TO 16MM BRASS
CONV-PG9-M20-B	THREAD CONVERTER PG9 TO 20MM BRASS
CONV-PG11-M16-B	THREAD CONVERTER PG11 TO 16MM BRASS
CONV-PG11-M20-B	THREAD CONVERTER PG11 TO 20MM BRASS

<b>Part Number</b>	<b>Description</b>
CONV-PG13-M16-B	THREAD CONVERTER PG13 TO 16MM BRASS
CONV-PG13-M20-B	THREAD CONVERTER PG13 TO 20MM BRASS
CONV-PG16-M16-B	THREAD CONVERTER PG16 TO 16MM BRASS
CONV-PG16-M20-B	THREAD CONVERTER PG16 TO 20MM BRASS
CONV-PG16-M25-B	THREAD CONVERTER PG16 TO 25MM BRASS
CONV-PG21-M20-B	THREAD CONVERTER PG21 TO 20MM BRASS
CONV-PG21-M25-B	THREAD CONVERTER PG21 TO 25MM BRASS
CONV-PG21-M32-B	THREAD CONVERTER PG21 TO 32MM BRASS

# User Chart for Conduit Fittings

## Conduit

Trade Size (mm)	Part Number LT/LOR	Part Number ATX	Part Number EF	Part Number NM	I.D. (mm)	O.D. (mm)	Bend R (mm)	Reel Qty (M)	Thread Size (mm)
10	LT/LOR010				6.4	11.7	25	75	16
13	LT/LOR012				10	14.7	25	75	16
16	LT/LOR016	ATX016	EF016	NM16	12.5	18	38	15,30,150	16
16	LT/LOR016	ATX016	EF010		12.5	18	38	15,30,150	20
20	LT/LOR020	ATX020	EF020	NM20	16	21	50	15,30,150	20
25	LT/LOR025	ATX025	EF025	NM25	21	26.5	64	15,30,150	25
32	LT/LOR032	ATX032	EF032	NM32	26.5	33	75	30	32
40	LT/LOR040	ATX040	EF040	NM40	35	42	89	15	40
50	LT/LOR050	ATX050	EF050	NM50	40.5	48	114	15	50
63	LT/LOR063	ATX063	EF063		51.5	60	140	15	63
80	LT/LOR080	ATX080	EF080		78.5	88	254	8	3" NPT
100	LT/LOR100	ATX100	EF100		101	114	305	8	4" NPT
<b>Std Colour</b>	<b>Grey,Black,</b>	<b>Black</b>	<b>Grey,Black</b>	<b>Grey,Black</b>					

## Fittings

### Nickel Plated Brass

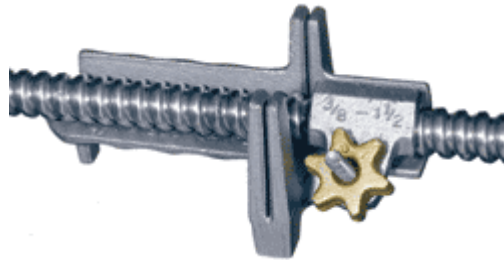
### Zinc Plated Steel

### Stainless Steel

Size (mm)	Nickel Plated Brass			Zinc Plated Steel			Stainless Steel				
	Straight	Male 90 Degree	45 Degree	Female Straight	Space Saver Straight	Conduit Joiner	Straight	90 Degree	45 Degree	Straight	90 Degree
10	LC-10-B						LC-10				
13	LC-12-B						LC-12				
16	LC-16-B	LC-16-90-B	LC-16-45-B				LC-16	LC-16-90	LC-16-45		
16	LC-16/20-B	LC-16/20-90-B	LC-16/20-45-B	LC-16/20-FH-B	LC-16/20-SPS	LTJ016B	LC-16/20	LC-16/20-90	LC-16/20-45	LC-16/20-SS	LC-16/20-90-SS
20	LC-20-B	LC-20-90-B	LC-20-45-B	LC-20-FH-B	LC-20-SPS	LTJ020B	LC-20	LC-20-90	LC-20-45	LC-20-SS	LC-20-90-SS
25	LC-25-B	LC-25-90-B	LC-25-45-B	LC-25-FH-B	LC-25-SPS	LTJ025B	LC-25	LC-25-90	LC-25-45	LC-25-SS	LC-25-90-SS
32	LC-32-B	LC-32-90-B	LC-32-45-B	LC-32-FH-B	LC-32-SPS	LTJ032B	LC-32	LC-32-90	LC-32-45	LC-32-SS	LC-32-90-SS
40	LC-40-B	LC-40-90-B	LC-40-45-B				LC-40	LC-40-90	LC-40-45	LC-40-SS	LC-40-90-SS
50	LC-50-B	LC-50-90-B	LC-50-45-B				LC-50	LC-50-90	LC-50-45	LC-50-SS	LC-50-90-SS
63	LC-63-B	LC-63-90-B	LC-63-45-B				LC-63	LC-63-90	LC-63-45		
80							LC-80	LC-80-90			
100							LC-100	LC-100-90			



## Tools



Conduit Cutting Vice

Part Number: **CCV**

The CCV is an ideal tool for cutting liquidite conduit from sizes 16mm to 50mm diameter. The conduit is placed along the vice body and the clamp tightened.

Holding the conduit and integral handle together, a fine tooth hacksaw blade is inserted into the guide for a quick and easy cut

CCV	CONDUIT CUTTER (16mm to 50mm)
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## Flame Proof Glands



**CONSTRUCTION:** Nickel Plated Brass fitting for use with flexible metallic liquidtight conduit in Class 1 flameproof installations. Easy to use and incorporates an internal chamber for packing epoxy putty around conductors.

### Fitting

- The Gland Nut, Gland Ring and Ferrule are first installed on the liquidtight conduit.
- Epoxy putty is packed around conductors and assembly completed by tightening the free turning Gland Nut on the Body.

**Type of Protection:** Exd IIB Class 1 Zone 1

**Degree of Protection:** IP65

Part Number	Description
FLC-20	20MM FLAME PROOF N/P BRASS CONNECTOR
FLC-25	25MM FLAME PROOF N/P BRASS CONNECTOR

# Chemical Resistance Chart

## CHEMICAL RESISTANCE RATING

A = Good To Excellent

B = Fair To Good

C = Fair to Limited

D = Unsatisfactory

Chemical	%	PVC	PU	Nylon	
				6	12
<b>A</b>					
Acetaldehyde	40%		D	B	A
Acetamide	50%			A	A
Acetate Solvents		D			
Acetic Acid	40%		D	D	C
Acetic Acid	10%	B		C	B
Acetic Acid (Glacial)			C	D	C
Acetic Anhydride			D	D	B
Acetone		D	D	A	A
Acetyl Bromide			C		
Acetyl Chloride			C		
Acetylene			B	A	A
Acrylonitrile		A			
Adipic Acid			A		
Alcohols				A	A
Alcohols (aliphatic)		C			
Alkalies		A			
Allyl Alcohol				B	B
Aluminum Chloride		A	B		
Aluminum Salts				A	A
Aluminum Sulfate (Alums)		A	B		
Aluminum Sulfide			B		
Alums				B	A
Ammonia			B	A	A
Ammonia	10%			A	A
Ammonia (Anhydrous Liquids)		D			
Ammonia (aqueous)		A			
Ammoniated Latex		A			
Ammonium Acetate			B		
Ammonium Carbonate			B		
Ammonium Chloride	10%			A	A
Ammonium Chloride		A			
Ammonium Hydroxide		A	A		
Ammonium Nitrate			B		
Ammonium Persulfate			B		
Ammonium Salts				B	A
Ammonium Sulfate			B		
Ammonium Sulfide			B		
Ammonium Thiocyanide			B		
Amyl Acetate		D	D	A	B
Amyl Alcohol			C	A	A
Amyl Chloride			C		
Aniline			D	B	B
Aniline Hydrochloride			D		
Aniline Oils		B			
Animal Fats & Oils		A	B		
Aniseed Oil				A	A
Anthracene		D			
Antifreeze Compounds				A	A

Chemical	%	PVC	PU	Nylon	
				6	12
Antimony Salts			B		
Aqua Regia				D	D
Aromatic Fuels		D			
Aromatic Hydrocarbons		D			
Asphalt		D			
ASTM Fuel A		C	A		
ASTM Fuel B		D	B		
ASTM Fuel C			B		
ASTM Oil No. 1		B	B		
ASTM Oil No. 2			B		
ASTM Oil No. 3		C	B	A	A
Attar of Roses				A	A
<b>B</b>					
Banana Oil		D			
Barium Carbonate			B		
Barium Chloride		A			
Barium Hydroxide		A	B		
Barium Salts				A	A
Barium Sulfide		A			
Battery Acid	30%			C	B
Benzaldehyde	0.3%			A	A
Benzaldehyde			D	C	A
Benzene		D	D	A	A
Benzene (Petroleum Ether)		C	B		
Benzoic Acid			C	B	B
Benzole				A	A
Benzyl				C	C
Bitumen				A	A
Borax		A		A	A
Bordeaux Mixture		A			
Boric Acid		A	B	B	A
Brake Fluid				A	A
Brake Fluid A			B		
Brine		A			
Bromine			B	C	C
Bunker Oil			B		
Butane			B	A	A
Butanol				A	B
Butyl Acetate		D	D	A	A
Butyl Alcohol		B	B		
Butylene Glycol				B	A
Butyric Acid				B	A
<b>C</b>					
Calcium Carbonate			B		
Calcium Chloride	10%			A	A
Calcium Chloride	20%	A	B	D	C
Calcium Hydroxide		A	B		
Calcium Hypochlorite		A			
Calcium Nitrate			B		

# Chemical Resistance Chart

## CHEMICAL RESISTANCE RATING

A = Good To Excellent

B = Fair To Good

C = Fair to Limited

D = Unsatisfactory

Chemical	%	PVC	PU	Nylon	
				6	12
Calcium Sulfate			B		
Camphor				A	A
Carbolic Acid (Phenol)		B			
Carbon Dioxide		A	A		
Carbon Disulfide		D	B	A	A
Carbon Tetrachloride		D	D	A	B
Carbonic Acid		A			
Casein		A			
Castor Oil		A	B		
Catechol	6%			C	B
Caustic Soda	40%	A		A	A
Cello-Solv		D			
Chlorinated Hydrocarbons		B			
Chlorinated Lime				D	D
Chlorine			B	D	D
Chlorine (water solution)	< 5%	C		C	B
Chlorine Gas (dry & wet)	< 5%	D		C	B
Chloroacetic Acid			C	D	D
Chlorobenzene		D		A	C
Chlorobromomethane				B	B
Chloroform			D	C	C
Chrome Baths				D	C
Chromic Acid	1%		D	C	B
Chromic Acid	10%	B	D	D	C
Chromic/Sulfuric Acid				D	D
Chromium Potassium Sulfate			B		
Chromium Salts				A	A
Citric Acid		A	B		
Coal Tar		D			
Coconut Oil		C			
Copper Salts	10%			A	A
Corn Oil		A			
Cottonseed Oil		C	B		
Creosote		D			
Cresol		C	D	D	D
Cresylic Acid		D			
Cupric Chloride			B		
Cupric Nitrate			B		
Cupric Sulfate			B		
Cyclohexane		B		A	A
Cyclohexanol				A	A
Cyclohexanone			D	A	A
<b>D</b>					
DDT Weed Killer		A			
Decalin				A	A
Degreasing Fluids		D			
Detergents (dishwashing)				A	A
Di Iso Cyante		C			
Di Methyl Formamide		D			
Di Methyl Hydrazine		D			
Dibutyl Ether			B		
Dibutyl Phthalate		D	D	A	A
Dichlorobenzene			C		
Diesel Fuel		D	B	A	A
Diesel Oils		C		A	A

Chemical	%	PVC	PU	Nylon	
				6	12
Diester Oil			B		
Diethyl Ether		A		A	A
Diethylene Glycol		B			
Di-isodecyl Phthalate		D			
Dimethyl Acetamide			D		
Dimethyl Formamide			D	A	B
Dioctyl Phthalate		D		A	A
Dioxane				A	A
Dodecyl Mercaptan			B		
DOP		D			
Dow General Weed Killer (H2O)		B			
Dow General Weed Killer (Phenol)		D			
Dowtherm		D			
DTE Oil			B		
<b>E</b>					
Edible Fats and Oils				A	A
Ehtylene Chloride				A	B
Esters		D			
Ether		D	B	A	A
Ethyl Acetate			D	A	A
Ethyl Alcohol		C	B	A	A
Ethyl Bromide			C		
Ethyl Chloride			C		
Ethylene Dichloride		D			
Ethylene Glycol		B	B		
<b>F</b>					
Fatty Acids		A		A	A
Ferric Chloride		A	B		
Ferric Nitrate			B		
Ferric Sulfate		A			
Ferrous Chloride		A	B		
Ferrous Sulfate		A	B		
Flourochlorohydr carbons				A	A
Formaldehyde	40%	D	B	C	B
Formalin				B	B
Formamide				B	B
Formic Acid	85%			D	C
Formic Acid	10%	A	D	C	C
Formic Acid	40%			D	C
Freon			C	A	A
Freon 12				A	A
Freons		D			
Fuel Oil		B	B	A	A
Furfural		C		B	B
<b>G</b>					
Gallic Acid		A			
Gasoline - 100 Octane		C	B		
Glycerine		A	B	A	A
Glycol				A	A
Glycolic Acid			B		
Grease		A	B		
Green Sulfate Liquor		A			

# Chemical Resistance Chart

## CHEMICAL RESISTANCE RATING

A = Good To Excellent

B = Fair To Good

C = Fair to Limited

D = Unsatisfactory

Chemical	%	PVC	PU	Nylon	
				6	12
<b>H</b>					
Heptachlor in Petroleum Solvents		A			
Heptane		C	B	A	A
Hexane		C	B	A	A
Hydraulic Fluids - Ester Base		D		A	A
Hydraulic Fluids - Petroleum Base		C		A	A
Hydrazine			D		
Hydrobromic Acid		A	B		
Hydrocarbon Oil			B		
Hydrochloric Acid	40%	C			
Hydrochloric Acid	1%			C	B
Hydrochloric Acid	10%	A	B	D	C
Hydrocyanic Acid			B		
Hydrofluoric Acid			B		
Hydrofluoric Acid	70%	C			
Hydrofluoroboric Acid		A			
Hydrofluorosilicic Acid		A			
Hydrogen			A		
Hydrogen Chloride	<2%			C	B
Hydrogen Chloride	>2%			D	C
Hydrogen Fluoride	40%			D	D
Hydrogen Peroxide	2%			C	B
Hydrogen Peroxide	30%			D	D
Hydrogen Peroxide	10%	A	B	C	B
Hydrogen Sulfide	<5%		C	A	A
Hydrolic Acid			B		
Hydrolic Fluid				A	A
<b>I</b>					
Ink		C		A	A
Iodine Solution			B		
Iron Salts - Acid Soln.	20%			D	C
Iron Salts - Neut. Soln.	20%			A	A
Isooctane		C	B	A	A
Isopropanol			B		
Isopropyl Acetate		D			
Isopropyl Alcohol		B		A	B
<b>J</b>					
Jet Fuels (JP-3,4, and 5)		C			
JP-4 Oil			C		
<b>K</b>					
Kerosene		C	B	A	A
Ketones		D			
<b>L</b>					
Lacquer Thinners		D			
Lactic Acid	90%			D	B
Lactic Acid	50%			C	B
Lactic Acid	5%		B	B	A
Lanolin				A	A
Lead Acetate			B		
Lead Salts				A	A
Linseed Oil		A	B	A	A
Lox			B		
Lubricating Oils, Greases, Soaps		A	B	A	A

Chemical	%	PVC	PU	Nylon	
				6	12
<b>M</b>					
Magnesium Chloride		A			
Magnesium Hydroxide	10%	A		A	A
Magnesium Salts	10%		B	B	B
Magnesium Sulfate		A			
Malathion 50 in Aromatics		D			
Malic Acid		A	C		
Mercury			A	A	A
Mercury Salts				A	A
Methanol			B	A	B
Methyl Acetate		D			
Methyl Alcohol		C			
Methyl Bromide		D			
Methyl Ethyl Ketone		D	D	A	A
Methylene Chloride		D	D	B	C
MIL-D 5606 Oil			C		
MIL-L-7808 Oil			B		
Mineral Oil		A	A	A	A
Monochlorobenzene		D			
Motor Fuels				A	A
Motor Oil 20W			B	A	A
Muriatic Acid (See Hydrochloric Acid)					
<b>N</b>					
Naphtha		C	B		
Naphthalene		D		A	A
Natural Gas			B		
Nickel Salts			C	A	A
Nitric Acid	10%	A			
Nitric Acid	35%	A			
Nitric Acid	70%	D			
Nitrobenzene			D	B	B
Nitrogen			A		
Nitromethane				A	A
<b>O</b>					
Octane				A	A
Oil of Turpentine				A	A
Oleic Acid		A	B	A	A
Oleum		D		D	D
Oxalic Acid	10%	A	A	B	A
Oxygen				A	A
Oxygen - Liquid		D			
Ozone	<1 PPM		A	A	A
<b>P</b>					
Paint		D	B		
Paint Thinners		D			
Palmitic Acid		A			
Paper Chemicals		A			
Paraffin Oil				A	A
Pentachlorophenol in Oil		B			
Pentane		C			
Perchloric Acid			D		
Perchloroethylene		D	D	A	A
Petroleum				B	A
Petroleum Ether		C		A	A

# Chemical Resistance Chart

## CHEMICAL RESISTANCE RATING

A = Good To Excellent    B = Fair To Good    C = Fair to Limited    D = Unsatisfactory

Chemical	%	PVC	PU	Nylon	
				6	12
Tricresyl Phosphate (Skydrol)		D			
Triethanol Amine		C	B		
Trisodium Phosphate			B		
Tung Oil		C			
Turpentine		C	B	A	A
<b>U</b>					
Urea	20%		B	A	A
<b>V</b>					
Varnish			B		
Varsol		D			
Vaseline				A	A
Vegetable Oils and Juices		A	B	A	A
Vinegar		A		B	A
Vinyl Chloride		D			

Chemical	%	PVC	PU	Nylon	
				6	12
<b>W</b>					
Water		A		A	A
Water 23°C			B		
Water 70°C			B		
Wax				A	A
Wood Preservatives		D			
<b>X</b>					
Xylene		D	C	A	A
Xylols		D			
<b>Z</b>					
Zinc Chloride	10%	A	B	B	A
Zinc Sulfate		A	B		

Chemical Resistance Chart - Type ATX Thermoplastic Rubber Jacket					
	TEST METHOD		% TENSILE STRENGTH	% ELONGATION	% VOLUME INCREASE
	ASTM #2 OIL	UL-1581			
		4 DAYS/100°C	66	70	N/A
		18 HRS/120°C	45	40	N/A
Brake Fluid	ASTM D - 471	72 HRS/100°C	80	90	-7
Ethylene Glycol	ASTM D - 471	72 HRS/100°C	95	90	2
Methanol	ASTM D - 471	72 HRS/100°C	95	90	0
Silicone Oil	ASTM D - 471	72 HRS/100°C	100	80	-14
5 % Salt Water	ASTM D - 471	72 HRS/100°C	80	100	1
Vegetable Oil	ASTM D - 471	18 HRS/120°C	60	70	N/A
Animal Oil	ASTM D - 471	18 HRS/120°C	70	75	N/A
10W - 40 Motor Oil	ASTM D - 471	72 HRS/100°C	50	55	25
Gasoline	ASTM D - 471	72 HRS/100°C	40	35	17
Transmission Oil	ASTM D - 471	72 HRS/100°C	50	50	32
Freon2	ASTM D - 471	72 HRS/50°C	93	84	N/A



For more information on conduits and fittings please contact

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