

# Hazardous Flexible Metallic Conduit System



**Transtech Solutions**  
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Meadowdale, Germiston  
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www.tsafrica.com

## General Oil Resistant - Galvanised Steel Core with a general purpose oil resistant coating



### Certification & Characteristics

**Certification Standard:**

IEC 61386

**Static Temp:** -25°C to +105°C

**Flexing Temp:** -5°C to +105°C

**Special Characteristics:**

Flame retardant PVC covering

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

	16	20	25	32	40	50	63
<b>British Conduit Size (mm)</b>	16	20	25	32	40	50	63
<b>US Trade Sizes (m)</b>	3/8	1/2	3/4	1	1 1/4	1 1/2	2
<b>Inside Diameter (mm)</b>	12.5	16.0	21.0	26.4	35.3	40.4	51.6
<b>Type</b>							
<b>Coil Lengths (m)</b>	10/30	10/30	10/30	10/20	10/20	10/20	10/20
General Oil Resistant (Black)	T/EXLB03*	T/EXLB04*	T/EXLB05*	T/EXLB06*	T/EXLB07*	T/EXLB08*	T/EXLB09*

\*Add coil length to complete part number, e.g. 10 metres = EXLB0510

## Low Fire Hazard - Galvanised Steel Core with a LFH coating



### Certification & Characteristics

**Certification Standard:**

IEC 61386

LUL Fully Compliant (E1042A6)

MOD to NES 518: Issue 3 DEF

STAN 61-12 (Part 31) Issue 1

**Static Temp:** -25°C to +90°C

**Flexing Temp:** -5°C to +90°C

**Special Characteristics:**

Limited Fire Hazard, zero halogen (BS6425 Pt 1)

**Flame Propagation:**

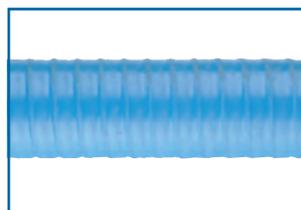
Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

	16	20	25	32	40	50	63
<b>British Conduit Size (mm)</b>	16	20	25	32	40	50	63
<b>US Trade Sizes (m)</b>	3/8	1/2	3/4	1	1 1/4	1 1/2	2
<b>Inside Diameter (mm)</b>	12.5	16.0	21.0	26.4	35.3	40.4	51.6
<b>Type</b>							
<b>Coil Lengths (m)</b>	10/30	10/30	10/30	10/20	10/20	10/20	10/20
Low Fire Hazard (Black)	T/EXLT03*	T/EXLT04*	T/EXLT05*	T/EXLT06*	T/EXLT07*	T/EXLT08*	T/EXLT09*

\*Add coil length to complete part number, e.g. 10 metres = EXLT0510

## High Temperature - Galvanised Steel Core with a high temperature resistant coating



### Certification & Characteristics

**Certification Standard:**

IEC 61386

**Static Temp:** -50°C to +130°C

**Flexing Temp:** -5°C to +90°C

**Special Characteristics:**

Flame resistance: UL94 V2

Chemical and oil resistant

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

	16	20	25	32	40	50	63
<b>British Conduit Size (mm)</b>	16	20	25	32	40	50	63
<b>US Trade Sizes (m)</b>	3/8	1/2	3/4	1	1 1/4	1 1/2	2
<b>Inside Diameter (mm)</b>	12.5	16.0	21.0	26.4	35.3	40.4	51.6
<b>Type</b>							
<b>Coil Lengths (m)</b>	10/30	10/30	10/30	10/20	10/20	10/20	10/20
High Temperature (Black)	T/EXLH03*	T/EXLH04*	T/EXLH05*	T/EXLH06*	T/EXLH07*	-	-
High Temperature (Blue)	T/EXLLH03*	T/EXLLH04*	T/EXLLH05*	T/EXLLH06*	T/EXLLH07*	-	-

\*Add coil length to complete part number, e.g. 10 metres = EXLH0510

# Hazardous Flexible Metallic Conduit System



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Meadowdale, Germiston  
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## Low Fire Hazard with EMC Protection - Galvanised Steel Core with a galvanised steel EMC shield and LFH Covering



### Certification & Characteristics

**Certification Standard:**

IEC 61386  
MOD to NES 518: Issue 3 DEF  
STAN 61-12 (Part 31) Issue 1  
**Static Temp:** -25°C to +90°C

**Flexing Temp:** -5°C to +90°C

**Special Characteristics:**  
Limited Fire Hazard covering  
EMC Screening level: 60db at  
1MHz Braided

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

British Conduit Size (mm)	16	20	25	32	40	50	63	
US Trade Sizes (m)	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
Inside Diameter (mm)	12.5	16.0	21.0	26.4	35.3	40.4	51.6	
Type	Coil Lengths (m)		10/30	10/30	10/30	10/20	10/20	10/20
Low Fire Hazard with EMC (Black)	T/EXBBT03*	T/EXBBT04*	T/EXBBT05*	T/EXBBT06*	T/EXBBT07*	T/EXBBT08*	T/EXBBT09*	

\* Add coil length to complete part number, e.g. 10 metres = EXBBT0510

## High Temperature Highly Flexible - Galvanised Steel Core with a high temperature, highly flexible coating



### Certification & Characteristics

**Certification Standard:**

IEC 61386  
**Static Temp:** -65°C to +150°C  
**Flexing Temp:** -45°C to +135°C

**Special Characteristics:**

High Flexibility  
High Temperature

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

British Conduit Size (mm)	16	20	25	32	40	50	63	
US Trade Sizes (m)	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
Inside Diameter (mm)	12.5	16.0	21.0	26.4	35.3	40.4	51.6	
Type	Coil Lengths (m)		10/30	10/30	10/30	10/20	10/20	10/20
High Temperature Highly Flexible (Black)	T/EXLHC03*	T/EXLHC04*	T/EXLHC05*	T/EXLHC06*	T/EXLHC07*	T/EXLHC08*	T/EXLHC09*	

\*Add coil length to complete part number, e.g. 10 metres = EXLHC0510

## Related Products



Group I & II Gland



Universal Gland



90° Elbow Gland



Group II Gland

# Hazardous Flexible Metallic Conduit System



**Transtechnical Solutions**  
 Unit F11 Roete 24, 50 Herman Street  
 Meadowdale, Germiston  
 Tel: 011 974 9679  
 Fax: 011 974 9653



www.ttsafrica.com

## General Oil Resistant - Stainless Steel 316 Core with a general purpose oil resistant coating



### Certification & Characteristics

**Certification Standard:**

IEC 61386

**Static Temp:** -25°C to +105°C

**Flexing Temp:** -5°C to +105°C

**Special Characteristics:**

Flame retardant PVC covering

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

	16	20	25	32	40	50	63
<b>British Conduit Size (mm)</b>	16	20	25	32	40	50	63
<b>US Trade Sizes (m)</b>	3/8	1/2	3/4	1	1 1/4	1 1/2	2
<b>Inside Diameter (mm)</b>	12.5	16.0	21.0	26.4	35.3	40.4	51.6
<b>Type</b>							
<b>Coil Lengths (m)</b>	10/30	10/30	10/30	10/20	10/20	10/20	10/20
General Oil Resistant (Black)	T/EXSB03*	T/EXSB04*	T/EXSB05*	T/EXSB06*	T/EXSB07*	T/EXSB08*	T/EXSB09*

\*Add coil length to complete part number, e.g. 10 metres = EXLB0510

## Low Fire Hazard - Stainless Steel Core with a LFH coating



### Certification & Characteristics

**Certification Standard:**

IEC 61386

LUL Fully Compliant (E1042A6)

MOD to NES 518: Issue 3 DEF

STAN 61-12 (Part 31) Issue 1

**Static Temp:** -25°C to +90°C

**Flexing Temp:** -5°C to +90°C

**Special Characteristics:**

Limited Fire Hazard, zero halogen (BS6425 Pt 1)

**Flame Propagation:**

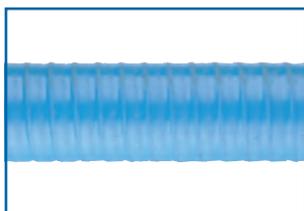
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<b>Inside Diameter (mm)</b>	12.5	16.0	21.0	26.4	35.3	40.4	51.6
<b>Type</b>							
<b>Coil Lengths (m)</b>	10/30	10/30	10/30	10/20	10/20	10/20	10/20
Low Fire Hazard (Black)	T/EXST03*	T/EXST04*	T/EXST05*	T/EXST06*	T/EXST07*	T/EXST08*	T/EXST09*

\*Add coil length to complete part number, e.g. 10 metres = EXLT0510

## High Temperature - Stainless Steel Core with a high temperature resistant coating



### Certification & Characteristics

**Certification Standard:**

IEC 61386

**Static Temp:** -50°C to +130°C

**Flexing Temp:** -5°C to +130°C

**Special Characteristics:**

Flame resistance: UL94 V2

Chemical and oil resistant

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

	16	20	25	32	40	50	63
<b>British Conduit Size (mm)</b>	16	20	25	32	40	50	63
<b>US Trade Sizes (m)</b>	3/8	1/2	3/4	1	1 1/4	1 1/2	2
<b>Inside Diameter (mm)</b>	12.5	16.0	21.0	26.4	35.3	40.4	51.6
<b>Type</b>							
<b>Coil Lengths (m)</b>	10/30	10/30	10/30	10/20	10/20	10/20	10/20
High Temperature (Black)	T/EXSH03*	T/EXSH04*	T/EXSH05*	T/EXSH06*	T/EXSH07*	-	-
High Temperature (Blue)	T/EXSLH03*	T/EXSLH04*	T/EXSLH05*	T/EXSLH06*	T/EXSLH07*	-	-

\*Add coil length to complete part number, e.g. 10 metres = EXLH0510

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**Static Temp:** -65°C to +150°C

**Flexing Temp:** -45°C to +135°C

**Special Characteristics:**

High Flexibility

High Temperature

**Flame Propagation:**

Flame dies in less than 30 seconds after ignition source is removed

### Technical Specifications

British Conduit Size (mm)	16	20	25	32	40	50	63
US Trade Sizes (m)	<sup>3</sup> / <sub>8</sub>	<sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub>	1	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	2
Inside Diameter (mm)	12.5	16.0	21.0	26.4	35.3	40.4	51.6
Type	10/30	10/30	10/30	10/20	10/20	10/20	10/20
Coil Lengths (m)	10/30	10/30	10/30	10/20	10/20	10/20	10/20
Low Fire Hazard with EMC (Black)	T/EXSBBT03*	T/EXSBBT04*	T/EXSBBT05*	T/EXSBBT06*	T/EXSBBT07*	T/EXSBBT08*	T/EXSBBT09*

\*Add coil length to complete part number, e.g. 10 metres = EXLBBT0510

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Inside Diameter (mm)	12.5	16.0	21.0	26.4	35.3	40.4	51.6
Type	10/30	10/30	10/30	10/20	10/20	10/20	10/20
Coil Lengths (m)	10/30	10/30	10/30	10/20	10/20	10/20	10/20
High Temperature Highly Flexible (Black)	T/EXSHC03*	T/EXSHC04*	T/EXSHC05*	T/EXSHC06*	T/EXSHC07*	T/EXSHC08*	T/EXSHC09*

\*Add coil length to complete part number, e.g. 10 metres = EXLHC0510

## Related Products



Group I & II  
Gland



Universal  
Gland



90° Elbow  
Gland



Group II  
Gland