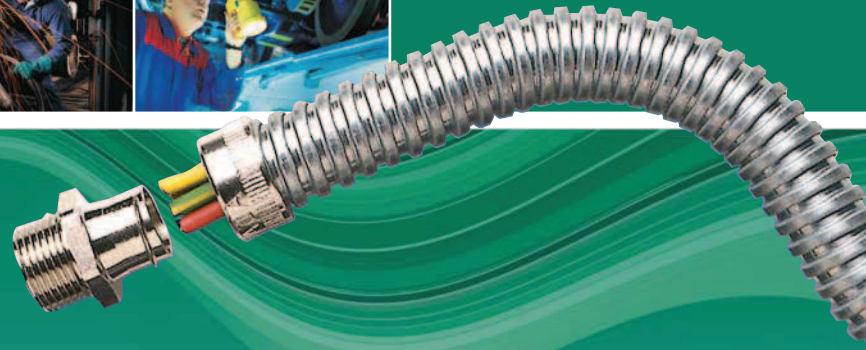


Metallic systems

Quick Selection Guide

Quick Selection Guide - Metallic systems

Type	TYPE S STEEL CONDUIT	TYPE SS STAINLESS STEEL CONDUIT	TYPE SP LIQUID RESISTANT CONDUIT	TYPE SN LIQUID RESISTANT NYLON CONDUIT	TYPE LH-SP LOW FIRE HAZARD CONDUIT	TYPE SPL LIQUID TIGHT CONDUIT	TYPE SPLHC EXTREME TEMPERATURE CONDUIT	TYPE SPUL CSA APPROVED/UL LISTED CONDUIT	TYPE SB STEEL BRAIDED CONDUIT	TYPE STC STEEL TINNED COPPER BRAIDED CONDUIT	TYPE SBN NEW STAINLESS STEEL BRAIDED CONDUIT	TYPE SBN NEW STAINLESS STEEL BRAIDED STEEL CONDUIT	TYPE SPB LIQUID RESISTANT BRAIDED CONDUIT	TYPE SPTC LIQUID RESISTANT TINNED COPPER BRAIDED CONDUIT	TYPE SPLHCB LIQUID TIGHT EXTREME TEMPERATURE CONDUIT	
Example																
Conduit Material	Galvanised Steel	Stainless Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel	Stainless Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel	
Covering/Overbraid			PVC	PA (Nylon)	Polyolefin	PVC	Thermoplastic Rubber	PVC	Galvanised Steel	Tinned Copper	Stainless Steel	Stainless Steel	PVC & Stainless Steel	PVC & Tinned Copper	Rubber & Stainless Steel	
IP RATING - (with appropriate fitting)	IP40	IP40	IP65	IP65	IP65	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP67	IP67	IP68	
Static Temp - Min Max	-50 °C +300 °C	-50 °C +350 °C	-15 °C +70 °C	-40 °C +120 °C	-25 °C +90 °C	-20 °C +105 °C	-65 °C +135 °C	-15 °C +75 °C	-50 °C +300 °C	-50 °C +300 °C	-50 °C +300 °C	-50 °C +300 °C	-15 °C +70 °C	-15 °C +70 °C	-65 °C +135 °C	
UV Resistance	Very High	Very High	Very High	High	High	Very High	Very High	High	Very High	Very High	Very High	Very High	Very High	Very High	Very High	
Flexibility	High	High	High	Medium	High	Medium	Very High	Medium	High	High	High	High	High	High	Very High	
Fatigue Life	High	High	Medium	Medium	Medium	Medium	High	Medium	High	High	High	High	Medium	Medium	High	
Low Fire Hazard	Inherent	Inherent			Enhanced				Inherent	Inherent	Inherent	Inherent				
Halogen Free	●	●		●	●	●	●	●	●	●	●	●			●	
Self Extinguishing			●	●	●	●	●	●					●	●	●	
EMI Screen									Enhanced	High	Standard	Standard	Enhanced	High	Standard	
High Mechanical Strength	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
High Abrasion Resistance		●							●	●	●	●	●	●	●	
Approvals																
Key Application																
Page Number	50	50	52	52	52	55	55	55	58	58	58	58	60	60	61	



Metallic Systems

Conduit, Fittings & Accessories

Range Overview

Adaptaflex have a choice of fifteen individual metallic conduit systems manufactured either in galvanized steel or stainless steel.

A range of 3 different conduit types provide a solution for liquid resistant specifications with a further 3 conduit options in liquid tight covered steel conduit for especially demanding environments. Conduit ranges are offered in nominal conduit size from 3mm for CCTV/roller shutter doors and for protecting fibre optics cables right up to 75mm for larger cable carrying capacity.

Overbraided conduits are particularly suitable for installation in abrasive environments. Where applications call for enhanced low fire hazard properties or EMI screening then there is the option of high specification tinned copper overbraided for greater EMI protection levels.

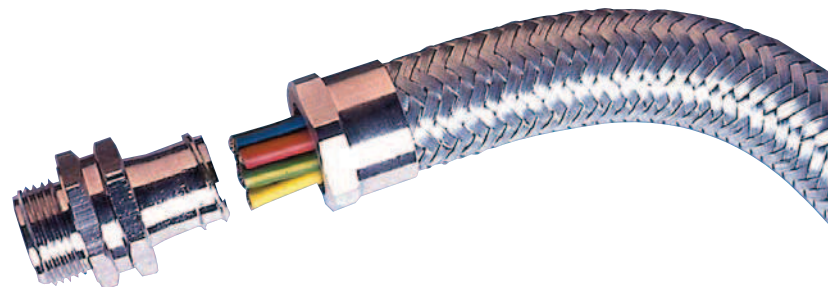
In addition a range of fittings are specifically designed to maintain system integrity including fixed and swivel fittings, straights, 90°, 45°, and a host of accessories including locknuts, enlargers, reducers and converters.

Many of our conduit systems have industry recognised approvals including British Kitemark, CE Approval, UL Listing, NF, LUL, DB, and Lloyds Register amongst others.

Advantages

- High compression/crush strength
- Tensile strength - pull off load under tension
- Impact resistance
- Inherent fire protection on uncoated versions
- Corrosion resistant - stainless steel options
- Braided - High level EMI screening with tinned copper overbraided
- Greater temperature tolerances

System approvals available:



Ranges include:

ADAPTASTEEL SYSTEM **STAY**FLEX SYSTEM

Adaptasteel metallic systems

TYPE S & SS FLEXIBLE STEEL CONDUIT & TYPE S FITTINGS



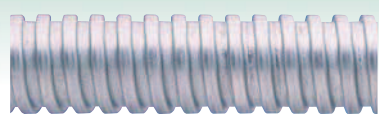
PRODUCT CHARACTERISTICS

To order quote part no & reel length - e.g. S10/25M

Type
Description
Materials
Example

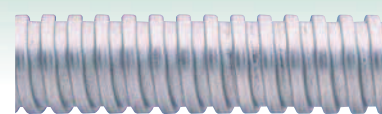
TYPE S
INHERENT LOW FIRE HAZARD STEEL CONDUIT

Galvanised Steel - General Purpose

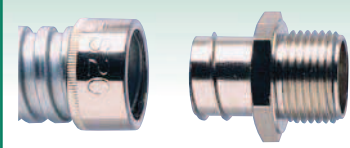


TYPE SS
INHERENT LOW FIRE HAZARD STEEL CONDUIT

Stainless Steel - Corrosion Resistant



TYPE A
STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts using a locknut.
Nickel plated brass



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)
03	5.3
05	7.0
08	11.0
10	9.0
12	13.0
16	16.0
16	16.0
20	20.5
25	25.0
32	32.0
40	42.5
50	53.0
63	62.5
75	77.0

TYPES PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m) TYPES ONLY
-	-	-	-
S10	6.8	25	25, 50
S12	10.3	30	10, 25, 50
S16	13.0	35	10, 25, 50
S16	13.0	35	10, 25, 50
S20	16.9	45	10, 25, 50
S25	21.4	55	10, 25, 50
S32	28.1	60	10, 25
S40	37.7	80	10, 25
S50	48.4	90	10, 25
S63	57.5	115	10
S75	70.0	150	10

TYPES PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m) TYPES ONLY
SS03	3.2	20	20
SS05	4.8	38	20
SS08	8.0	50	10
SS10	6.8	25	25, 50
SS12	10.3	30	25, 50
SS16	13.0	35	10, 25, 50
SS16	13.0	35	10, 25, 50
SS20	16.9	45	10, 25, 50
SS25	21.4	55	10, 25, 50
SS32	28.1	60	10, 25
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
-	-	-	-
-	-	-	-
-	-	-	-
M12	S10/M12/A	PG7	S10/PG7/A
M16	S12/M16/A	PG9	S12/PG9/A
M16	S16/M16/A	PG11	S16/PG11/A
M20	S16/M20/A	PG11	S16/PG11/A
M20	S20/M20/A	PG16	S20/PG16/A
M25	S25/M25/A	PG21	S25/PG21/A
M32	S32/M32/A	PG29	S32/PG29/A
M40	S40/M40/A	PG36	S40/PG36/A
M50	S50/M50/A	PG42	S50/PG42/A
M63	S63/M63/A	PG48	S63/PG48/A
M75	S75/M75/A	-	-

IP Rating with appropriate fitting

- IP40
- IP65
- IP66
- IP67
- IP68
- NEW IP69k

For use with following fittings;
Type S Fittings
Type S Fittings - Type A, B, F & C
n/a
n/a
n/a
n/a
n/a

For use with following fittings;
Type S Fittings
Type S Fittings - Type A, B, F & C
n/a
n/a
n/a
n/a
n/a

For use with following conduit;
Type S & SS
Type S & SS Conduit
n/a
n/a
n/a
n/a
n/a

Temperature Range

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

Static Applications: -50 °C to +350 °C
Moving Applications: -45 °C to +250 °C

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

UV Resistance

Very High

Very High

Flexibility & Fatigue Life

High Flexibility - High Fatigue Life

High Flexibility - High Fatigue Life

Fire Performance & EMI Screen



Approvals



System Applications

Lighting/Cable Track
Underfloor Wiring
Light Industrial

Food Industry
Railway
Corrosive Environments

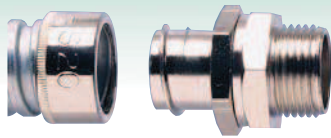


PRODUCT CHARACTERISTICS

Type
Description
Materials
Example

TYPE B

STRAIGHT FITTING - SWIVEL EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Nickel plated brass



TYPE F

STRAIGHT FITTING - FIXED INTERNAL THREAD
For attachment to external threads & other fittings.
Nickel plated brass



TYPE C

SMOOTH ENTRY BUSH
For locking conduit into plain holes in enclosures.
Nickel plated brass



NOMINAL CONDUIT SIZE (mm)
OUTSIDE DIAMETER (mm)

METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
M12	S10/M12/B	PG7	S10/PG7/B
M16	S12/M16/B	PG9	S12/PG9/B
M16	S16/M16/B	PG11	S16/PG11/B
M20	S16/M20/B	PG11	S16/PG11/B
M20	S20/M20/B	PG16	S20/PG16/B
M25	S25/M25/B	PG21	S25/PG21/B
M32	S32/M32/B	PG29	S32/PG29/B
M40	S40/M40/B	PG36	S40/PG36/B
M50	S50/M50/B	PG42	S50/PG42/B
-	-	-	-
-	-	-	-

METRIC THREAD	PART NUMBER
-	-
-	-
-	-
-	-
M20	S20/M20/F
M25	S25/M25/F
M32	S32/M32/F
-	-
-	-
-	-

HOLE SIZE (mm)	PART NUMBER
9	S10/9/C
12	S12/12/C
16	S16/16/C
16	S16/16/C
20	S20/20/C
25	S25/25/C
32	S32/32/C
40	S40/40/C
51	S50/51/C
61	S63/61/C
75	S75/75/C

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

For use with following conduit;
Type S & SS

Type S & SS Conduit

n/a

n/a

n/a

n/a

n/a

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

Fitting Characteristics



Approvals



For use with following conduit;
Type S & SS

Type S & SS Conduit

n/a

n/a

n/a

n/a

n/a

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C



For use with following conduit;
Type S & SS

Type S & SS Conduit

n/a

n/a

n/a

n/a

n/a

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C



Adaptasteel Liquid Resistant metallic systems

TYPE SP, SN & LFH-SP COVERED STEEL FLEXIBLE CONDUIT & TYPE SP FITTINGS



PRODUCT CHARACTERISTICS

To order quote part no, colour & reel length - e.g. SP10/BL/25M

Type

TYPE SP

Description

LIQUID RESISTANT GENERAL PURPOSE COVERED STEEL FLEXIBLE CONDUIT

Materials

PVC Covered Galvanised Steel
Colour Black (BL), Grey (GR) & Orange (OR)

Example



TYPE SN

LIQUID RESISTANT ABRASION & SOLVENT RESISTANT COVERED STEEL FLEXIBLE CONDUIT

PA (Nylon) Covered Galvanised Steel
Colour Black (BL) only.



TYPE LFH-SP

LIQUID RESISTANT ENHANCED LOW FIRE HAZARD COVERED STEEL FLEXIBLE CONDUIT

Polyolefin Covered Galvanised Steel
Colour Black (BL) only.



NOMINAL CONDUIT SIZE (mm)
OUTSIDE DIAMETER (mm)

10 10.0
12 14.0
16 17.0
20 21.5
25 26.0
32 34.0
40 44.5
50 55.0
63 64.5
75 79.0

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m) TYPES ONLY
SP10	6.8	25	25, 50
SP12	10.3	30	25, 50
SP16	13.0	35	10, 25, 50
SP20	16.9	45	10, 25, 50
SP25	21.4	55	10, 25, 50
SP32	28.1	60	10, 25
SP40	37.7	80	10, 25
SP50	48.4	90	10, 25
SP63	57.5	115	10
SP75	70.0	150	10

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m) TYPES ONLY
-	-	-	-
SN12	10.3	30	25, 50
SN16	13.0	35	25, 50
SN20	16.9	45	25, 50
SN25	21.4	55	25, 50
SN32	28.1	60	25
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m) TYPES ONLY
-	-	-	-
LFH-SP12	10.3	30	25, 50
LFH-SP16	13.0	35	10, 25, 50
LFH-SP20	16.9	45	10, 25, 50
LFH-SP25	21.4	55	10, 25, 50
LFH-SP32	28.1	60	10, 25
LFH-SP40	37.7	80	10, 25
LFH-SP50	48.4	90	10, 25
LFH-SP63	57.5	115	20
LFH-SP75	70.0	150	10

IP Rating with appropriate fitting

IP54

IP65

IP66

IP67

IP68

NEW IP69k

For use with following fittings;
Type SP Fittings

Type SP Fittings - Type A, B, C, E & F

Type SP Fittings - Type M & C90

n/a

n/a

n/a

n/a

Temperature Range

Static Applications: -15 °C to +70 °C
Moving Applications: -5 °C to +90 °C

UV Resistance

Very High

Flexibility & Fatigue Life

High Flexibility - Medium Fatigue Life

Fire Performance & EMI Screen

Self Extinguishing

Approvals



System Applications

Machine Tools
Indoor/Outdoor
General Purpose

For use with following fittings;
Type SP Fittings

Type SP Fittings - Type A, B, C, E & F

Type SP Fittings - Type M & C90

n/a

n/a

n/a

n/a

Static Applications: -40 °C to +120 °C
Moving Applications: -25 °C to +150 °C

High

Medium Flexibility - Medium Fatigue Life

Self Extinguishing
Halogen Free



Industrial
Food Industry
Manufacturing Areas

For use with following fittings;
Type SP Fittings

Type SP Fittings - Type A, B, C, E & F

Type SP Fittings - Type M & C90

n/a

n/a

n/a

n/a

Static Applications: -25 °C to +90 °C
Moving Applications: -5 °C to +105 °C

High

Medium Flexibility - Medium Fatigue Life



NF



Rail
Food Industry
Public Buildings



PRODUCT CHARACTERISTICS

Type

Description

Materials

Example

TYPE A

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts using a locknut.

Nickel plated brass



TYPE B

STRAIGHT FITTING - SWIVEL EXTERNAL THREAD
For insertion into threaded entries & knockouts.

Nickel plated brass



TYPE C90 NEW

90° COMBINED FITTING & ELBOW
with male external thread.

Nickel plated steel



NOMINAL CONDUIT SIZE (mm)

OUTSIDE DIAMETER (mm)

	METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
10	M12	SP10/M12/A	PG7	SP10/PG7/A
12	M16	SP12/M16/A	PG9	SP12/PG9/A
16	M16	SP16/M16/A	PG11	SP16/PG11/A
16	M20	SP16/M20/A	PG11	SP16/PG11/A
20	M20	SP20/M20/A	PG16	SP20/PG16/A
25	M25	SP25/M25/A	PG21	SP25/PG21/A
32	M32	SP32/M32/A	PG29	SP32/PG29/A
40	M40	SP40/M40/A	PG36	SP40/PG36/A
50	M50	SP50/M50/A	PG42	SP50/PG42/A
63	M63	SP63/M63/A	PG48	SP63/PG48/A
75	M75	SP75/M75/A	-	-

	METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
M12	SP10/M12/B	PG7	SP10/PG7/B	
M16	SP12/M16/B	PG9	SP12/PG9/B	
M16	SP16/M16/B	PG11	SP16/PG11/B	
M20	SP16/M20/B	PG11	SP16/PG11/B	
M20	SP20/M20/B	PG16	SP20/PG16/B	
M25	SP25/M25/B	PG21	SP25/PG21/B	
M32	SP32/M32/B	PG29	SP32/PG29/B	
M40	SP40/M40/B	PG36	SP40/PG36/B	
M50	SP50/M50/B	PG42	SP50/PG42/B	
-	-	-	-	
-	-	-	-	

	METRIC THREAD	PART NUMBER
-	-	-
-	-	-
M16	SP16/M16/C90	
M20	SP16/M20/C90	
M20	SP20/M20/C90	
M25	SP25/M25/C90	
M32	SP32/M32/C90	
-	-	-
-	-	-
-	-	-

IP Rating with appropriate fitting

IP54

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

For use with following conduit;
Type SP, SN & LFH-SP

Type SP, SN & LFH-SP Conduit

n/a

n/a

n/a

n/a

n/a

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

For use with following conduit;
Type SP, SN & LFH-SP

Type SP, SN & LFH-SP Conduit

n/a

n/a

n/a

n/a

n/a

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C



Fitting Characteristics

Approvals





PRODUCT CHARACTERISTICS

Type
Description
Materials
Example

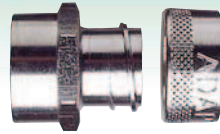
TYPE M

STRAIGHT SWIVEL FITTING - EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Nickel plated brass



TYPE F

STRAIGHT FITTING - FIXED INTERNAL THREAD
For attachment to external threads & other fittings.
Nickel plated brass



TYPE C

SMOOTH ENTRY BUSH
For locking conduit into plain holes in enclosures.
Nickel plated brass



TYPE E

CONDUIT TERMINATOR
Cable Protection at exit point
Nickel plated brass



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER	NPT THREAD	PART NUMBER
10	10.0	-	-	-	-	-	-
12	14.0	M16	SP12/M16/M	PG9	SP12/PG9/M	-	-
16	17.0	M16	SP16/M16/M	PG11	SP16/PG11/M	3/8	SP16/038/M
16	17.0	M20	SP16/M20/M	PG13.5	SP16/PG13/M	3/8	SP16/038/M
20	21.5	M20	SP20/M20/M	PG16	SP20/PG16/M	1/2	SP20/050/M
25	26.0	M25	SP25/M25/M	PG21	SP25/PG21/M	3/4	SP25/075/M
32	34.0	M32	SP32/M32/M	PG29	SP32/PG29/M	1	SP32/100/M
40	44.5	M40	SP40/M40/M	-	-	-	-
50	55.0	M50	SP50/M50/M	-	-	-	-
63	64.5	-	-	-	-	-	-
75	79.0	-	-	-	-	-	-

METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER	NPT THREAD	PART NUMBER
-	-	-	-	-	-
M16	SP12/M16/M	PG9	SP12/PG9/M	-	-
M16	SP16/M16/M	PG11	SP16/PG11/M	3/8	SP16/038/M
M20	SP16/M20/M	PG13.5	SP16/PG13/M	3/8	SP16/038/M
M20	SP20/M20/M	PG16	SP20/PG16/M	1/2	SP20/050/M
M25	SP25/M25/M	PG21	SP25/PG21/M	3/4	SP25/075/M
M32	SP32/M32/M	PG29	SP32/PG29/M	1	SP32/100/M
M40	SP40/M40/M	-	-	-	-
M50	SP50/M50/M	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

METRIC THREAD	PART NUMBER
-	-
-	-
-	-
-	-
M20	SP20/M20/F
M25	SP25/M25/F
M32	SP32/M32/F
-	-
-	-
-	-
-	-

HOLE SIZE (mm)	PART NUMBER
9	SP10/9/C
12	SP12/12/C
16	SP16/16/C
16	SP16/16/C
20	SP20/20/C
25	SP25/25/C
32	SP32/32/C
40	SP40/40/C
51	SP50/51/C
61	SP63/61/C
75	SP75/75/C

HOLE SIZE (mm)
-
SP12/E
SP16/E
SP16/E
SP20/E
SP25/E
SP32/E
SP40/E
SP50/E
-
-

IP Rating with appropriate fitting

- IP54
- IP65
- IP66
- IP67
- IP68
- NEW IP69k

Temperature Range

For use with following conduit;
Type SP, SN & LFH-SP

- n/a
- Type SP, SN & LFH-SP Conduit
- n/a
- n/a
- n/a
- n/a

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

Fitting Characteristics



Approvals



For use with following conduit;
Type SP, SN & LFH-SP

- Type SP, SN & LFH-SP Conduit
- n/a
- n/a
- n/a
- n/a
- n/a

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C



For use with following conduit;
Type SP, SN & LFH-SP

- Type SP, SN & LFH-SP Conduit
- n/a
- n/a
- n/a
- n/a
- n/a

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C



For use with following conduit;
Type SP, SN & LFH-SP

- Type SP, SN & LFH-SP Conduit
- n/a
- n/a
- n/a
- n/a
- n/a

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C



Adaptasteel Liquid Tight metallic systems

TYPE SPL, SPLHC & SPUL COVERED STEEL FLEXIBLE CONDUIT & TYPE SPL FITTINGS



PRODUCT CHARACTERISTICS

To order quote part no, colour, & reel length - e.g. SPL10/GR/50M

Type

Description

Materials

Example

TYPE SPL

LIQUID TIGHT OIL RESISTANT
COVERED STEEL FLEXIBLE CONDUIT

PVC Covered Galvanised Steel
Colour Black (Black), Grey (GR) & Orange (OR).



TYPE SPLHC

LIQUID TIGHT EXTREME TEMPERATURE
COVERED STEEL FLEXIBLE CONDUIT

Thermoplastic Rubber Covered Galvanised Steel
Colour Black (Black) only.



TYPE SPUL

LIQUID TIGHT UL LISTED & CSA APPROVED
COVERED STEEL FLEXIBLE CONDUIT

PVC Covered Galvanised Steel with Copper Packing
Colour Grey (GR) only.



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	US CONDUIT SIZE (in)
10	11.8	1/4"
12	14.2	5/16"
16	17.8	3/8"
20	21.1	1/2"
25	26.4	3/4"
32	33.1	1"
40	41.8	1 1/4"
50	47.9	1 1/2"
63	59.7	2"

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
SPL10	7.0	40	10, 25, 50
SPL12	10.0	45	10, 25, 50
SPL16	12.5	50	10, 25, 50
SPL20	15.9	80	10, 25, 50
SPL25	21.0	110	10, 25, 50
SPL32	26.7	145	10, 25
SPL40	35.4	180	10, 25
SPL50	40.4	240	10, 25
SPL63	51.6	345	10, 25

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
SPLHC10	7.0	40	25, 50
SPLHC12	10.0	45	25, 50
SPLHC16	12.5	50	25
SPLHC20	15.9	80	25
SPLHC25	21.0	110	25
SPLHC32	26.7	145	25
SPLHC40	35.4	180	25
SPLHC50	40.4	240	25
SPLHC63	51.6	345	25

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
-	-	-	-
-	-	-	-
SPUL16	12.5	50	50
SPUL20	15.9	80	50
SPUL25	21.0	110	25
SPUL32	26.7	145	25
SPUL40	35.4	180	25
SPUL50	40.4	240	25
SPUL63	51.6	345	-

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

UV Resistance

Flexibility & Fatigue Life

Fire Performance & EMI Screen

Approvals

System Applications

For use with following fittings;
Type SPL fittings

n/a

n/a

Type SPL fittings - Type M & C90

Type SPL fittings - Type A, B, & M

Type SPL fittings - Type M

Type SPL fittings - Type M

Static Applications: -20 °C to +105 °C
Moving Applications: -5 °C to +105 °C

Very High

Medium Flexibility - Medium Fatigue Life

Self Extinguishing



Machine Tools

For use with following fittings;
Type SPL fittings

n/a

n/a

Type SPL fittings - Type M & C90

Type SPL fittings - Type A, B, & M

Type SPL fittings - Type M

Type SPL fittings - Type M

Static Applications: -65 °C to +135 °C
Moving Applications: -45 °C to +150 °C

Very High

Very High Flexibility - High Fatigue Life

Self Extinguishing
Halogen Free



Extreme Temperature Environments

For use with following fittings;
Type SPL fittings

n/a

n/a

Type SPL fittings - Type M & C90

Type SPL fittings - Type A, B, & M

Type SPL fittings - Type M

Type SPL fittings - Type M

Static Applications: -15 °C to +75 °C
Moving Applications: -5 °C to +105 °C

High

Medium Flexibility - Medium Fatigue Life

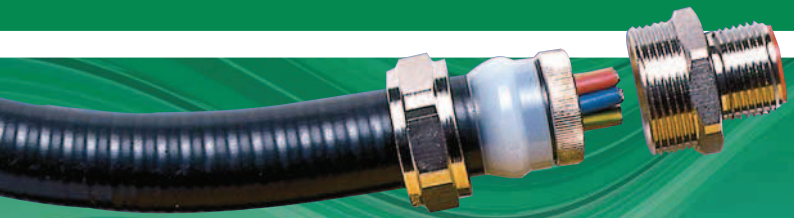
Self Extinguishing



Machinery for US Markets

Adaptasteel Liquid Tight metallic systems

TYPE SPL, SPLHC & SPUL COVERED STEEL FLEXIBLE CONDUIT & TYPE SPL FITTINGS



PRODUCT CHARACTERISTICS

Type

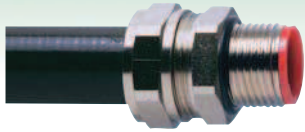
Description

Materials

Example

TYPE M

STRAIGHT SWIVEL FITTING - EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Nickel plated brass



TYPE A

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts using a locknut.
Nickel plated brass



TYPE B

STRAIGHT FITTING - SWIVEL EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Nickel plated brass



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	US CONDUIT SIZE (in)
10	10.0	3/8"
12	14.0	5/16"
16	17.0	3/8"
16	17.0	3/8"
20	21.5	1/2"
25	26.0	3/4"
32	34.0	1"
40	44.5	1 1/4"
50	55.0	1 1/2"
63	64.5	2"

METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER	NPT THREAD	PART NUMBER
M12	SPL10/M12/M	PG7	SPL10/PG7/M	-	-
M16	SPL12/M16/M	PG9	SPL12/PG9/M	-	-
M16	SPL16/M16/M	PG11	SPL16/PG11/M	3/8"	SPL16/038/M
M20	SPL16/M20/M	PG13.5	SPL16/PG13/M	3/8"	SPL16/038/M
M20	SPL20/M20/M	PG16	SPL20/PG16/M	1/2"	SPL20/050/M
M25	SPL25/M25/M	PG21	SPL25/PG21/M	3/4"	SPL25/075/M
M32	SPL32/M32/M	PG29	SPL32/PG29/M	1"	SPL32/100/M
M40	SPL40/M40/M	PG36	SPL40/PG36/M	1 1/4"	SPL40/125/M
M50	SPL50/M50/M	PG42	SPL50/PG42/M	1 1/2"	SPL50/150/M
M63	SPL63/M63/M	PG48	SPL63/PG48/M	-	-

METRIC THREAD	PART NUMBER
-	-
-	-
M16	SPL16/M16/A
M20	SPL16/M20/A
M20	SPL20/M20/A
M25	SPL25/M25/A
M32	SPL32/M32/A
-	-
-	-
-	-

METRIC THREAD	PART NUMBER
-	-
-	-
M16	SPL16/M16/B
M20	SPL16/M20/B
M20	SPL20/M20/B
M25	SPL25/M25/B
M32	SPL32/M32/B
-	-
-	-
-	-

IP Rating with appropriate fitting

IP54

IP65

IP66

IP67

IP68

NEW IP69k

For use with following conduit;
Type SPL, SPLHC & SPUL Conduit

n/a

n/a

Type SPL, SPLHC & SPUL Conduit

Type SPL, SPLHC & SPUL Conduit

Type SPL, SPLHC & SPUL Conduit - 10bar 30 mins

Type SPL, SPLHC & SPUL Conduit

Temperature Range

Static Applications: -65 °C to +300 °C
Moving Applications: -45 °C to +250 °C

Fitting Characteristics



Approvals



For use with following conduit;
Type SPL, SPLHC & SPUL Conduit

n/a

n/a

n/a

Type SPL, SPLHC & SPUL Conduit

n/a

n/a

Static Applications: -65 °C to +300 °C
Moving Applications: -45 °C to +250 °C



For use with following conduit;
Type SPL, SPLHC & SPUL Conduit

n/a

n/a

n/a

Type SPL, SPLHC & SPUL Conduit

n/a

n/a

Static Applications: -65 °C to +300 °C
Moving Applications: -45 °C to +250 °C





PRODUCT CHARACTERISTICS

Type

Description

Materials

Example

TYPE E

CONDUIT TERMINATOR
Cable Protection at exit point
Nickel plated brass



PART NUMBER

10	SPL10/E
12	SPL12/E
16	SPL16/E
16	SPL16/E
20	SPL20/E
25	SPL25/E
32	SPL32/E
40	SPL40/E
50	SPL50/E
63	SPL63/E

TYPE C90

90° COMBINED FITTING & ELBOW
with male external thread.
Nickel plated steel



METRIC THREAD

PART NUMBER

-	-
-	-
M16	SPL16/M16/C90
M20	SPL16/M20/C90
M20	SPL20/M20/C90
M25	SPL25/M25/C90
M32	SPL32/M32/C90
-	-
-	-
-	-

TYPE 45

45° ELBOW - FIXED THREAD
Nickel plated brass



METRIC THREAD

PART NUMBER

-	-
-	-
M16*	B/M16/45
M20	B/M20/45
M20	B/M20/45
M25	B/M25/45
M32	B/M32/45
-	-
-	-
-	-

* Includes M20 Internal Thread

NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	US CONDUIT SIZE (in)
10	10.0	1/2"
12	14.0	5/16"
16	17.0	3/8"
16	17.0	3/8"
20	21.5	1/2"
25	26.0	3/4"
32	34.0	1"
40	44.5	1 1/8"
50	55.0	1 1/2"
63	64.5	2"

IP Rating with appropriate fitting

IP54

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

Fitting Characteristics

Approvals

For use with following conduit;
Type SPL, SPLHC & SPUL

n/a
n/a
n/a
n/a
n/a
n/a

Static Applications: -65 ° C to +300 ° C
Moving Applications: -45 ° C to +250 ° C

None



For use with following conduit;
Type SPL, SPLHC & SPUL

n/a
n/a
n/a
Type SPL, SPLHC & SPUL
n/a
n/a

Static Applications: -65 ° C to +300 ° C
Moving Applications: -45 ° C to +250 ° C

None



For use with following conduit;
Type SPL, SPLHC & SPUL

n/a
n/a
n/a
n/a
n/a
n/a

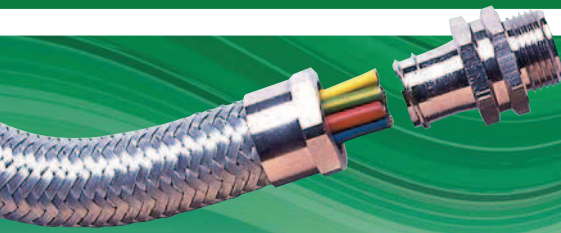
Static Applications: -65 ° C to +300 ° C
Moving Applications: -45 ° C to +250 ° C

None



Adaptasteel overbraided metallic system

TYPE SB, STC, SSB & SSBGS SPECIALIST EMI SCREEN CONDUIT & TYPE SB FITTINGS



PRODUCT CHARACTERISTICS

To order quote part no & reel length - e.g. SB10/25M

Type

TYPE SB

TYPE STC

TYPE SSB NEW

TYPE SSBGS NEW

Description

OVERBRAIDED FLEXIBLE CONDUIT

OVERBRAIDED FLEXIBLE CONDUIT

OVERBRAIDED FLEXIBLE CONDUIT

OVERBRAIDED FLEXIBLE CONDUIT

Materials

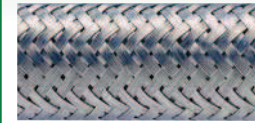
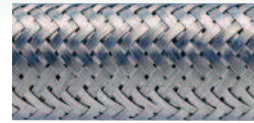
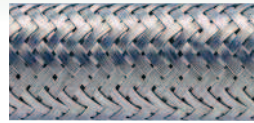
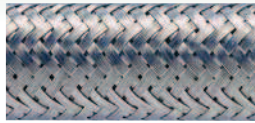
Galvanised Steel Conduit
Galvanised Steel overbraid

Galvanised Steel Conduit
Tinned Copper overbraid

Stainless Steel Conduit
Stainless Steel overbraid

Galvanised Steel Conduit
Stainless Steel overbraid

Example



NOMINAL CONDUIT SIZE (mm)
OUTSIDE DIAMETER (mm)

10 10.0
13 14.0
16 17.5
20 21.5
25 26.0
32 34.0
40 43.6
50 56.0
63
75

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
SB10	6.8	25	25
SB12	10.3	30	25
SB16	13.0	35	25
SB20	16.9	45	25
SB25	21.4	55	25
SB32	28.1	60	10
SB40	37.7	80	10
SB50	48.4	90	10
SB63	57.5	115	10
SB75	70.0	150	10

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
STC10	6.8	25	25
STC12	10.3	30	25
STC16	13.0	35	25
STC20	16.9	45	25
STC25	21.4	55	25
STC32	28.1	60	10
STC40	37.7	80	10
STC50	48.4	90	10
-	-	-	-
-	-	-	-

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
-	-	-	-
SSB12	10.3	25	25
SSB16	13.0	30	25
SSB20	16.9	35	25
SSB25	21.4	55	25
SSB32	28.1	60	10
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
-	-	-	-
SSBGS12	10.3	25	25
SSBGS16	13.0	30	25
SSBGS20	16.9	35	25
SSBGS25	21.4	55	25
SSBGS32	28.1	60	10
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

IP Rating with appropriate fitting

- IP40
- IP65
- IP66
- IP67
- IP68
- NEW IP69k

For use with following fittings;
Type SB Fittings

Type SB Fittings - Type A & B

n/a
n/a
n/a
n/a
n/a

For use with following fittings;
Type SB Fittings

Type SB Fittings - Type A & B

n/a
n/a
n/a
n/a
n/a

For use with following fittings;
Type SB Fittings

Type SB Fittings - Type A & B

n/a
n/a
n/a
n/a
n/a

For use with following fittings;
Type SB Fittings

Type SB Fittings - Type A & B

n/a
n/a
n/a
n/a
n/a

Temperature Range

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

UV Resistance

Very High

Very High

Very High

Very High

Flexibility & Fatigue Life

High Flexibility - High Fatigue Life

High Flexibility - High Fatigue Life

High Flexibility - High Fatigue Life

High Flexibility - High Fatigue Life

Fire Performance, EMI Screen & Fitting Characteristics



Approvals



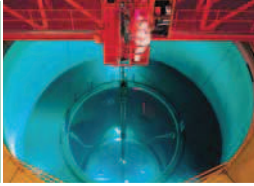
System Applications

Industrial

Rail
Hospitals

Corrosive Environments

Chemicals
Heavy Industrial



PRODUCT CHARACTERISTICS

Type

TYPE A

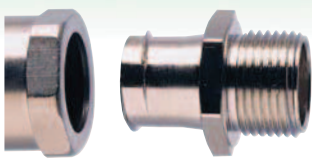
Description

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts using a locknut

Materials

Nickel plated brass

Example



NOMINAL CONDUIT SIZE (mm)

OUTSIDE DIAMETER (mm)

10 10.0
13 14.0
16 17.5
20 21.5
25 26.0
32 34.0
40 43.6
50 56.0
63
75

METRIC THREAD

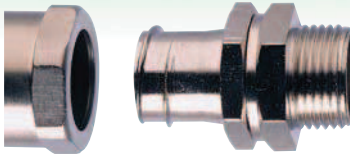
PART NUMBER

M12 SB10/M12/A
M16 SB12/M16/A
M16 SB16/M16/A
M20 SB20/M20/A
M25 SB25/M25/A
M32 SB32/M32/A
M40 SB40/M40/A
M50 SB50/M50/A
M63 SB63/M63/A
M75 SB75/M75/A

TYPE B

STRAIGHT FITTING - SWIVEL EXTERNAL THREAD
For insertion into threaded entries & knockouts.

Nickel plated brass



METRIC THREAD

PART NUMBER

PG THREAD

PART NUMBER ALL MTO

M12 SB10/M12/B PG7 SB10/PG7/B
M16 SB12/M16/B PG9 SB12/PG9/B
M16 SB16/M16/B PG11 SB16/PG11/B
M20 SB20/M20/B PG16 SB20/PG16/B
M25 SB25/M25/B PG21 SB25/PG21/B
M32 SB32/M32/B PG29 SB32/PG29/B
M40 SB40/M40/B PG36 SB40/PG36/B
M50 SB50/M50/B PG42 SB50/PG42/B
- - - -
- - - -

IP Rating with appropriate fitting

IP40

For use with following conduit;
Type SB, STC, SSB & SSBGS Conduit

IP65

n/a

IP66

n/a

IP67

n/a

IP68

n/a

NEW IP69k

n/a

Temperature Range

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

UV Resistance

Flexibility & Fatigue Life

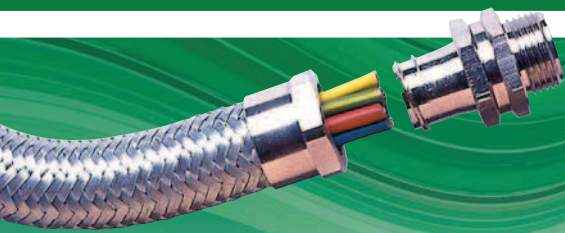
Fitting Characteristics

Approvals



Adaptasteel overbraided metallic system

TYPE SPB & SPTC SPECIALIST LIQUID RESISTANT, EMI SCREEN CONDUIT & TYPE SPB FITTINGS



PRODUCT CHARACTERISTICS

To order quote part no & reel length - e.g. SPB10/25M

Type

TYPE SPB

TYPE SPTC

TYPE A

TYPE B

Description

OVERBRAIDED FLEXIBLE CONDUIT

OVERBRAIDED FLEXIBLE CONDUIT

STRAIGHT FITTING - FIXED EXTERNAL THREAD

STRAIGHT FITTING - SWIVEL EXTERNAL THREAD

Materials

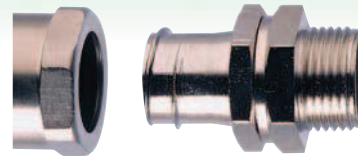
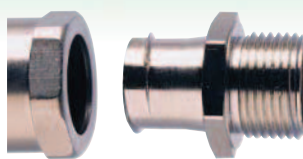
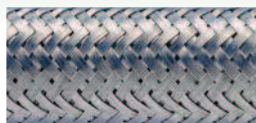
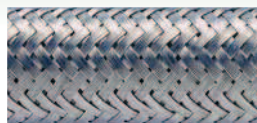
Galvanised Steel Conduit with PVC Covering
Galvanised Steel overbraid

Galvanised Steel Conduit with PVC Covering
Tinned Copper overbraid

Nickel plated brass

Nickel plated brass

Example



NOMINAL CONDUIT SIZE (mm)
OUTSIDE DIAMETER (mm)

10	10.0
13	14.0
16	17.5
20	21.5
25	26.0
32	34.0
40	43.6
50	56.0

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
SPB10	6.8	25	25
SPB12	10.3	25	25
SPB16	13.0	30	25
SPB20	16.9	35	25
SPB25	21.4	55	25
SPB32	28.1	60	10
SPB40	37.7	80	10
SPB50	48.4	90	10

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
SPTC10	6.8	25	25
SPTC12	10.3	25	25
SPTC16	13.0	30	25
SPTC20	16.9	35	25
SPTC25	21.4	55	25
SPTC32	28.1	60	10
SPTC40	37.7	80	10
SPTC50	48.4	90	10

METRIC THREAD

PART NUMBER

M12	SPB10/M12/A
M16	SPB12/M16/A
M16	SPB16/M16/A
M20	SPB20/M20/A
M25	SPB25/M25/A
M32	SPB32/M32/A
M40	SPB40/M40/A
M50	SPB50/M50/A

METRIC THREAD

PART NUMBER

PG THREAD

PART NUMBER ALL MTO

M12	SPB10/M12/B	PG7	SPB10/PG7/B
M16	SPB12/M16/B	PG9	SPB12/PG9/B
M16	SPB16/M16/B	PG11	SPB16/PG11/B
M20	SPB20/M20/B	PG16	SPB20/PG16/B
M25	SPB25/M25/B	PG21	SPB25/PG21/B
M32	SPB32/M32/B	PG29	SPB32/PG29/B
M40	SPB40/M40/B	PG36	SPB40/PG36/B
M50	SPB50/M50/B	PG42	SPB50/PG42/B

IP Rating with appropriate fitting

IP54

IP65

IP66

IP67

IP68

NEW IP69k

For use with following fittings;
Type SPB Fittings

Type SPB Fitting - Type A & B

n/a

n/a

n/a

n/a

n/a

For use with following fittings;
Type SPB Fittings

Type SPB Fitting - Type A & B

n/a

n/a

n/a

n/a

n/a

For use with following conduit;
Type SPB & SPTC

Type SPB & SPTC

n/a

n/a

n/a

n/a

n/a

For use with following conduit;
Type SPB & SPTC

Type SPB & SPTC

n/a

n/a

n/a

n/a

n/a

Temperature Range

Static Applications: -15 °C to +70 °C
Moving Applications: -5 °C to +90 °C

Static Applications: -15 °C to +70 °C
Moving Applications: -5 °C to +90 °C

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

Static Applications: -50 °C to +300 °C
Moving Applications: -45 °C to +250 °C

UV Resistance

Very High

Very High

Flexibility & Fatigue Life

High Flexibility - Medium Fatigue Life

High Flexibility - Medium Fatigue Life

Fire Performance, EMI Screen & Fitting Characteristics



Approvals



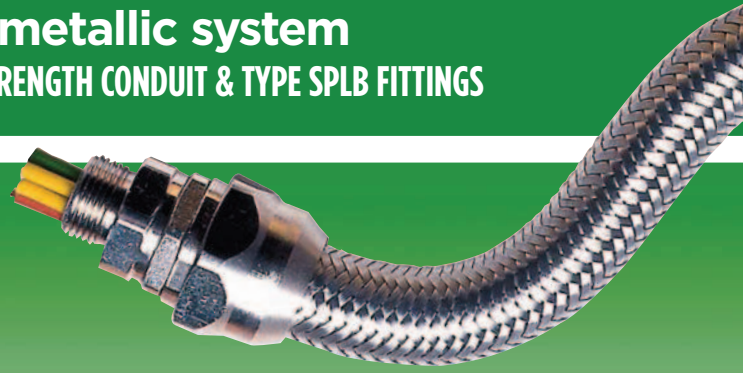
System Applications

Security
Lighting

Hospitals
External Safety Critical Areas

Adaptasteel overbraided metallic system

TYPE SPLHCB SPECIALIST LIQUID TIGHT HIGH STRENGTH CONDUIT & TYPE SPLB FITTINGS



PRODUCT CHARACTERISTICS

Type

TYPE SPLHCB

Description

EXTREME TEMPERATURE, ABUSE RESISTANT,
OVERBRAIDED FLEXIBLE CONDUIT

Materials

Galvanised Steel Conduit,
Smooth Thermoplastic Rubber Covering,
Stainless Steel Overbraid

Example



NOMINAL CONDUIT SIZE (mm)
OUTSIDE DIAMETER (mm)

16 19.8
16 19.8
20 23.1
25 28.4
32 35.1
40 44.0
50 56.0

TYPE SPLB
PART NUMBER

SPLHCB16
SPLHCB16
SPLHCB20
SPLHCB25
SPLHCB32
SPLHCB40
SPLHCB50

INSIDE
DIAMETER (mm)

12.5
12.5
15.9
21.0
26.7
35.4
40.4

MINIMUM BEND
RADIUS (mm)

80
80
95
115
145
180
240

REEL LENGTH (m)

25
25
25
25
10
10
10

TYPE A

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts using a locknut.

Nickel plated brass



METRIC THREAD

M16
M20
M20
M25
M32
M40
M50

PART NUMBER

SPLB16/M16/A
SPLB16/M20/A
SPLB20/M20/A
SPLB25/M25/A
SPLB32/M32/A
SPLB40/M40/A
SPLB50/M50/A

TYPE B

STRAIGHT FITTING - SWIVEL EXTERNAL THREAD
For insertion into threaded entries & knockouts.

Nickel plated brass



METRIC THREAD

M16
M20
M20
M25
M32
-
-

PART NUMBER

SPLB16/M16/B
SPLB16/M20/B
SPLB20/M20/B
SPLB25/M25/B
SPLB32/M32/B
-
-

IP Rating with
appropriate fitting

IP40

n/a

IP65

n/a

IP66

Type SPLB Fittings - A & B

IP67

Type SPLB Fittings - Type A & B

IP68

Type SPLB Fittings - Type A & B

NEW IP69k

n/a

Temperature Range

Static Applications: -65 °C to +135 °C
Moving Applications: -45 °C to +150 °C

UV Resistance

Very High

Flexibility & Fatigue Life

Very High Flexibility - High Fatigue Life

Fire Performance,
EMI Screen
& Fitting Characteristics



Approvals



System Applications

Railways
Underground
Public Buildings

For use with following conduit;
Type SPLHCB

n/a

n/a

Type SPLHCB

Type SPLHCB

Type SPLHCB - 10bar 30 mins

n/a

Static Applications: -65 °C to +300 °C
Moving Applications: -45 °C to +250 °C



For use with following conduit;
Type SPLHCB

n/a

n/a

Type SPLHCB

Type SPLHCB

Type SPLHCB - 10bar 30 mins

n/a

Static Applications: -65 °C to +300 °C
Moving Applications: -45 °C to +250 °C

