Metallic conduit systems

Quick selection guide



Product selection guide

Conduit type	Type S	Type SS	Type SP	Type SN	Type LFH-SP	Type SPL	Type LFH-SPL	Type SPL-EF
Part number	**S**	**SS**	**SP**	**SN**	**LFH-SP**	**SPL**	**LFH-SPL**	**SPL-EF NEW**
Conduit material	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel
Covering/overbraid	-	-	PVC	PA (nylon)	Polyolefin	PVC	Low fire hazard jacket	Thermoplastic jacket
Conduit colour								
Black (BL)	-	-	■	■	■	■	■	■
Grey (GR)	-	-	■	-	-	■	-	-
IP rating (with appropriate fitting)								
IP40	■	■	-	-	-	-	-	-
IP54	-	-	■	■	■	-	-	-
P65	-	-	■	■	■	-	-	-
P66	-	-	-	-	-	■	■	■
P67	-	-	-	-	-	■	■	■
P68	-	-	-	-	-	■	■	■
P69	-	-	-	-	-	■	■	■

Characteristics

Temperature range								
Static applications (°C)	-50 to +300	-50 to +350	-25 to +70	-25 to +90	-25 to +90	-20 to +105	-20 to +90	-40 to +105
Moving applications (°C)	-45 to +250	-45 to +250	-5 to +90	-5 to +105	-5 to +105	-5 to +105	-5 to +105	-30 to +105
UV resistance	Very high	Very high	Very high	High	High	Very high	High	Very high
Flexibility	High	High	High	Medium	High	Medium	Medium	Very high
Fatigue life	High	High	Medium	Medium	Medium	Medium	Medium	High
Low fire hazard	Inherent	Inherent	-	-	Enhanced	-	Enhanced	Enhanced
Halogen free	■	■	-	■	■	-	■	■
Self extinguishing	-	-	■	■	■	■	■	■
EMI screen	-	-	-	-	-	-	-	-
High mechanical strength	■	■	■	■	■	■	■	■
High abrasion resistance	-	-	-	-	-	-	-	-
Approvals								
BSI Kitemark	■	■	■	■	■	■	■	■
CE	■	■	■	■	■	■	■	■
UL / CSA	-	-	-	-	-	-	-	-
UR	-	-	-	-	-	■	-	-
DIN 5510-2	-	-	-	-	-	-	-	-
NF F	-	-	-	-	■	-	■	-
LUL 1-085	-	-	-	-	■	-	■	-
UNI CEI 11170	-	-	-	-	-	-	-	-
EN45545-2 to HL3	-	-	-	-	-	-	■	■
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	Type SPLHC	Type SPUL	Type SB	Type STC	Type SSB	Type SSBGS	Type SPB	Type SPTC	Type LFH-SPSS	Type SPLHCB
	SPLHC	**SPUL**	**SB**	**STC**	**SSB**	**SSBGS**	**SPB**	**SPTC**	**LFH-SPSS**	**SPLHCB**
	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel	Galvanised steel
	Thermoplastic rubber	PVC	Galvanised steel	Tinned copper	Stainless steel	Stainless steel	PVC & galvanised steel	PVC & tinned copper	Stainless steel low fire hazard jacket	Thermoplastic rubber & stainless steel
	■	-	-	-	-	-	-	-	-	-
	-	■	-	-	-	-	-	-	-	-
	-	-	■	■	■	■	-	-	-	-
	-	-	-	-	-	-	■	■	■	-
	-	-	-	-	-	-	-	-	-	-
	■	■	-	-	-	-	-	-	-	■
	■	■	-	-	-	-	-	-	-	■
	■	■	-	-	-	-	-	-	-	■
	■	■	-	-	-	-	-	-	-	-
	-65 to +135	-20 to +75	-50 to +300	-50 to +300	-50 to +300	-50 to +300	-15 to +70	-15 to +70	-20 to +90	-65 to +135
	-45 to +150	-5 to +105	-45 to +250	-45 to +250	-45 to +250	-45 to +250	-5 to +90	-5 to +90	-5 to +105	-45 to +150
	Very high	High	Very high	Very high	Very high	Very high	Very high	Very high	Very high	Very high
	Very high	Medium	High	High	High	High	High	High	Medium	High
	High	Medium	High	High	High	High	Medium	Medium	Medium	Medium
	-	-	Inherent	Inherent	Inherent	Inherent	-	-	Enhanced	-
	■	-	■	■	■	■	-	-	-	■
	■	■	-	-	-	-	■	■	■	■
	-	-	Enhanced	High	Standard	Standard	Enhanced	High	Standard	Standard
	■	■	■	■	■	■	■	■	■	■
	-	-	■	■	■	■	■	■	■	■
	■	■	■	■	■	■	■	■	■	-
	■	■	■	■	■	■	■	■	■	■
	-	■	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	■	-
	-	-	-	-	-	-	-	-	■	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	??	??	??	??	??	??	??	??	??	??

Metallic conduit systems
Introduction

Range overview - Adaptaflex have a wide selection of metallic conduits and metallic conduit systems manufactured either in galvanized steel or stainless steel.

A wide range of different conduit types provide a solution for liquid resistant specifications, with further 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 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





Metallic conduit systems

Type S & SS - Adaptasteel

Type S - Adaptasteel

Inherent low Fife hazard steel conduit / Materials: Galvanised steel - general purpose



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
S10	10	9.1	7.0	25	25, 50
S12	12	13.0	10.3	30	10, 25, 50
S16	16	16.0	13.0	35	10, 25, 50
S20	20	20.5	16.9	45	10, 25, 50
S25	25	25.0	21.4	55	10, 25, 50
S32	32	32.0	28.1	60	10, 25
S40	40	42.5	37.7	80	10, 25
S50	50	53.0	48.4	90	10, 25
S63	63	62.5	57.5	115	10
S75	75	77.0	70.0	150	10

To order quote part no, & reel length, e.g. S12/25M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161 CE LOW VOLTAGE DIRECTIVE	**For use with:** Type S		Static applications: -50°C to +300°C	Very high
	IP40	Type S - Type A, B, F & C	Moving applications: -45°C to +250°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	N/A	High flexibility - High fatigue life	
	IP67	N/A	**Fire Performance & EMI Screen**	
	IP68	N/A		
	IP69	N/A		

Type S - Adaptasteel

Inherent low fire hazard steel conduit / Materials: Galvanised steel - general purpose



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SS10	10	9.0	6.8	25	25, 50
SS12	12	13.0	10.3	30	25, 50
SS16	16	16.0	13	35	10, 25, 50
SS20	20	20.5	16.9	45	10, 25, 50
SS25	25	25.0	21.4	55	10, 25, 50
SS32	32	32.0	28.1	60	10, 25

To order quote part no, & reel length, e.g. S12/25M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161 CE LOW VOLTAGE DIRECTIVE	**For use with:** Type S		Static applications: -50°C to +350°C	Very high
	IP40	Type S - Type A, B, F & C	Moving applications: -45°C to +250°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	N/A	High flexibility - High fatigue life	
	IP67	N/A	**Fire Performance & EMI Screen**	
	IP68	N/A		
	IP69	N/A		

Metallic conduit systems

Type A & B - Adaptasteel

Type A - Adaptasteel

Straight fitting - Fixed external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread	Part no.	Nominal conduit size (mm)	PG thread
S10/M12/A	10	M12	S10/PG7/A	10	PG7
S12/M16/A	12	M16	S12/PG9/A	12	PG9
S16/M16/A	16	M16	S16/PG11/A	16	PG11
S16/M20/A	16	M20	-	-	-
S20/M20/A	20	M20	S20/PG16/A	20	PG16
S25/M25/A	25	M25	S25/PG21/A	25	PG21
S32/M32/A	32	M32	S32/PG29/A	32	PG29
S40/M40/A	40	M40	S40/PG36/A	40	PG36
S50/M50/A	50	M50	S50/PG42/A	50	PG42
S63/M63/A	63	M63	S63/PG48/A	63	PG48
S75/M75/A	75	M75			

For insertion into knockouts using a locknut (order locknut separately)

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161	**For use with:** Type S / SS		Static applications: -50°C to +300°C
	IP40	Yes	Moving applications: -45°C to +250°C
	IP65	N/A	
	IP66	N/A	
	IP67	N/A	
	IP68	N/A	
	IP69	N/A	

Type B - Adaptasteel

Straight fitting - Swivel external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread	Part no.	Nominal conduit size (mm)	PG thread
S10/M12/B	10	M12	S10/PG7/B	10	PG7
S12/M16/B	12	M16	S12/PG9/B	12	PG9
S16/M16/B	16	M16	S16/PG11/B	16	PG11
S16/M20/B	16	M20	-	-	-
S20/M20/B	20	M20	S20/PG16/B	20	PG16
S25/M25/B	25	M25	S25/PG21/B	25	PG21
S32/M32/B	32	M32	S32/PG29/B	32	PG29
S40/M40/B	40	M40	S40/PG36/B	40	PG36
S50/M50/B	50	M50	S50/PG42/B	50	PG42

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161	**For use with:** Type S / SS		Static applications: -50°C to +300°C
	IP40	Yes	Moving applications: -45°C to +250°C
	IP65	N/A	**Fitting characteristics**
	IP66	N/A	
	IP67	N/A	
	IP68	N/A	
	IP69	N/A	

Metallic conduit systems

Type F & C - Adaptasteel

Type F - Adaptasteel

Straight fitting - Fixed internal female thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
S20/M20/F	20	M20
S25/M25/F	25	M25
S32/M32/F	32	M32

For attaching to external threads & other fitting

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161	**For use with:** Type S / SS		Static applications: -50°C to +300°C
	IP40	Yes	Moving applications: -45°C to +250°C
	IP65	N/A	
	IP66	N/A	
	IP67	N/A	
	IP68	N/A	
	IP69	N/A	

Type C - Adaptasteel

Smooth entry bush / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Hole size (mm)
S10/9/C	10	9
S12/12/C	12	12
S16/16/C	16	16
S20/20/C	20	20
S25/25/C	25	25
S32/32/C	32	32
S40/40/C	40	40
S50/51/C	50	51
S63/61/C	63	61
S75/75/C	75	75

For locking conduit into plain holes in enclosures

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161	**For use with:** Type S / SS		Static applications: -50°C to +300°C
	IP40	Yes	Moving applications: -45°C to +250°C
	IP65	N/A	
	IP66	N/A	
	IP67	N/A	
	IP68	N/A	
	IP69	N/A	

Metallic conduit systems

Type SP & SN - Adaptasteel

Type SP - Adaptasteel

Liquid resistant general purpose covered steel flexible conduit / Materials: PVC covered galvanised steel / Colour: Black (BL), Grey (GR), Orange (OR)



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SP10	10	10.0	6.8	25	25, 50
SP12	12	14.0	10.3	30	25, 50
SP16	16	17.0	13.0	35	10, 25, 50
SP20	20	21.5	16.9	45	10, 25, 50
SP25	25	26.0	21.4	55	10, 25, 50
SP32	32	34.0	28.1	60	10, 25
SP40	40	44.5	37.7	80	10, 25
SP50	50	55.0	48.4	90	10, 25
SP63	63	64.5	57.5	115	10
SP75	75	79.0	70.0	150	10

To order quote part no, colour & reel length, e.g. SP12/BL/25M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161	**For use with:** Type SP		Static applications: -25°C to +70°C	Very high
	IP54	Type SP - Type A, B, C, E & F	Moving applications: -5°C to +90°C	
	IP65	Type SP - Type M & C90	**Flexibility & fatigue life**	
	IP66	N/A	High flexibility - Medium fatigue life	
	IP67	N/A	**Fire Performance & EMI Screen**	
	IP68	N/A	Self extinguishing	
	IP69	N/A		

Type SP - Adaptasteel

Liquid resistant general purpose covered steel flexible conduit / Materials: PVC covered galvanised steel / Colour: Black (BL), Grey (GR), Orange (OR)



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SN12	12	14.0	10.3	30	25, 50
SN16	16	17.0	13.0	35	25, 50
SN20	20	21.5	16.9	45	25, 50
SN25	25	26.0	21.4	55	25, 50
SN32	32	34.0	28.1	60	25

To order quote part no, colour & reel length, e.g. SP12/BL/25M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161	**For use with:** Type SP		Static applications: -40°C to +120°C	High
	IP54	Type SP - Type A, B, C, E & F	Moving applications: -25°C to +150°C	
	IP65	Type SP - Type M & C90	**Flexibility & fatigue life**	
	IP66	N/A	Medium flexibility - Medium fatigue life	
	IP67	N/A	**Fire Performance & EMI Screen**	
	IP68	N/A	Self extinguishing	
	IP69	N/A	Halogen free	

Metallic conduit systems

Type LFH-SP & A - Adaptasteel

Type LFH-SP - Adaptasteel

Liquid resistant enhanced low fire hazard covered steel flexible conduit / Materials: Polyolefin covered galvanised steel / Colour: Black (BL) Only



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
LFH-SP12	12	14.0	10.3	30	25, 50
LFH-SP16	16	17.0	13.0	35	10, 25, 50
LFH-SP20	20	21.5	16.9	45	10, 25, 50
LFH-SP25	25	26.0	21.4	55	10, 25, 50
LFH-SP32	32	34.0	28.1	60	10, 25
LFH-SP40	40	44.5	37.7	80	10, 25
LFH-SP50	50	55.0	48.4	90	10, 25
LFH-SP63	63	64.5	57.5	115	10
LFH-SP75	75	79.0	70.0	150	10

To order quote part no, colour & reel length, e.g. SP12/BL/25M

Approvals

EN45545-2 HL3 - R22 & R23

IP rating	Appropriate fitting
For use with: Type SP	
IP54	Type SP - Type A, B, C, E & F
IP65	Type SP - Type M & C90
IP66	N/A
IP67	N/A
IP68	N/A
IP69	N/A

Temperature range
Static applications: -25°C to +90°C
Moving applications: -5°C to +105°C
Flexibility & fatigue life
High flexibility - Medium fatigue life
Fire Performance & EMI Screen
Self extinguishing
Halogen Free

UV resistance

High

Type A - Adaptasteel

Straight fitting - Fixed external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread	Part no.	Nominal conduit size (mm)	PG thread
SP10/M12/A	10	M12	SP10/PG7/A	10	PG7
SP12/M16/A	12	M16	SP12/PG9/A	12	PG9
SP16/M16/A	16	M16	-	-	-
SP16/M20/A	16	M20	SP16/PG11/A	16	PG11
SP20/M20/A	20	M20	SP20/PG16/A	20	PG16
SP25/M25/A	25	M25	SP25/PG21/A	25	PG21
SP32/M32/A	32	M32	SP32/PG29/A	32	PG29
SP40/M40/A	40	M40	SP40/PG36/A	40	PG36
SP50/M50/A	50	M50	SP50/PG42/A	50	PG42
SP63/M63/A	63	M63	SP63/PG48/A	63	PG48
SP75/M75/A	75	M75			

For insertion into knockouts using a locknut (order locknut separately)

Approvals

IP rating	Appropriate conduit
For use with: Type SP / SN / LFH-SP	
IP54	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69	N/A

Temperature range
Static applications: -50°C to +300°C
Moving applications: -45°C to +250°C

Metallic conduit systems

Type B & C90 - Adaptasteel

Type B - Adaptasteel

Straight fitting - Swivel external thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread	Part no.	Nominal conduit size (mm)	PG thread
SP10/M12/B	10	M12	SP10/PG7/B	10	PG7
SP12/M16/B	12	M16	SP12/PG9/B	12	PG9
SP16/M16/B	16	M16	SP16/PG11/B	16	PG11
SP16/M20/B	16	M20	-	-	-
SP20/M20/B	20	M20	SP20/PG16/B	20	PG16
SP25/M25/B	25	M25	SP25/PG21/B	25	PG21
SP32/M32/B	32	M32	SP32/PG29/B	32	PG29
SP40/M40/B	40	M40	SP40/PG36/B	40	PG36
SP50/M50/B	50	M50	SP50/PG42/B	50	PG42

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161	**For use with:** Type SP / SN / LFH-SP		Static applications: -50°C to +300°C
	IP54	Yes	Moving applications: -45°C to +250°C
	IP65	N/A	**Fitting characteristics**
	IP66	N/A	
	IP67	N/A	
	IP68	N/A	
	IP69	N/A	

Type C90 - Adaptasteel

90° Combined fitting & elbow / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
SP16/M16/C90	16	M16
SP16/M20/C90	16	M20
SP20/M20/C90	20	M20
SP25/M25/C90	25	M25
SP32/M32/C90	32	M32

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161	**For use with:** Type S / SS		Static applications: -50°C to +300°C
	IP54	N/A	Moving applications: -45°C to +250°C
	IP65	Yes	**Fitting characteristics**
	IP66	N/A	
	IP67	N/A	
	IP68	N/A	
	IP69	N/A	

Metallic conduit systems

Type M & F - Adaptasteel

Type M - Adaptasteel

Straight swivel fitting - External male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
SP12/M16/M	12	M16
SP16/M16/M	16	M16
SP16/M20/M	16	M20
SP20/M20/M	20	M20
SP25/M25/M	25	M25
SP32/M32/M	32	M32
SP40/M40/M	40	M40
SP50/M50/M	50	M50

Part no.	Nominal conduit size (mm)	PG thread
SP12/PG9/M	12	PG9
SP16/PG11/M	16	PG11
SP16/PG13/M	16	PG13,5
SP20/PG16/M	20	PG16
SP25/PG21/M	25	PG21
SP32/PG29/M	32	PG29

Part no.	Nominal conduit size (mm)	NPT thread
SP16/038/M	16	⅜"
SP20/050/M	20	½"
SP25/075/M	25	¾"
SP32/100/M	32	1"

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals
KM35161 CE LOW VOLTAGE DIRECTIVE

IP rating	Appropriate conduit
For use with: Type SP / SN / LFH-SP	
IP54	N/A
IP65	Yes
IP66	N/A
IP67	N/A
IP68	N/A
IP69	N/A

Temperature range
Static applications: -50°C to +300°C
Moving applications: -45°C to +250°C
Fitting characteristics



Type F - Adaptasteel

Straight fitting - Fixed internal female thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
SP20/M20/F	20	M20
SP25/M25/F	25	M25
SP32/M32/F	32	M32

For external threads and other fittings

Approvals
KM35161 CE LOW VOLTAGE DIRECTIVE

IP rating	Appropriate conduit
For use with: Type SP / SN / LFH-SP	
IP54	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69	N/A

Temperature range
Static applications: -50°C to +300°C
Moving applications: -45°C to +250°C

Metallic conduit systems

Type C & E - Adaptasteel

Type C - Adaptasteel

Smooth entry bush / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Hole size (mm)
SP10/9/C	10	9
SP12/12/C	12	12
SP16/16/C	16	16
SP20/20/C	20	20
SP25/25/C	25	25
SP32/32/C	32	32
SP40/40/C	40	40
SP50/51/C	50	51
SP63/61/C	63	61
SP75/75/C	75	75

For locking conduit into plain holes in enclosures

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161	**For use with:** Type SP / SN / LFH-SP		Static applications: -50°C to +300°C
	IP54	Yes	Moving applications: -45°C to +250°C
	IP65	N/A	
	IP66	N/A	
	IP67	N/A	
	IP68	N/A	
	IP69	N/A	

Type E - Adaptasteel

Conduit terminator / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)
SP12/E	12
SP16/E	16
SP20/E	20
SP25/E	25
SP32/E	32
SP40/E	40
SP50/E	50

Cable Protection at exit point

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161	**For use with:** Type SP / SN / LFH-SP		Static applications: -50°C to +300°C
	IP54	Yes	Moving applications: -45°C to +250°C
	IP65	N/A	
	IP66	N/A	
	IP67	N/A	
	IP68	N/A	
	IP69	N/A	

Metallic conduit systems

Type SPL & LFH-SPL - Adaptasteel

Type SPL - Adaptasteel

Liquid tight oil resistant covered steel flexible conduit / Materials: PVC covered galvanised steel / Colour: Black (BL), Grey (GR), Orange (OR)



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	US conduit size (in)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SPL10	10	11.8	¼"	7.0	40	10, 25, 50
SPL12	12	14.2	5⁄16"	10.0	45	10, 25, 50
SPL16	16	17.8	⅜"	12.5	50	10, 25, 50
SPL20	20	21.1	½"	15.9	80	10, 25, 50
SPL25	25	26.4	¾"	21.0	110	10, 25, 50
SPL32	32	33.1	1"	26.7	145	10, 25
SPL40	40	41.8	1 ¼"	35.4	180	10, 25
SPL50	50	47.9	1 ½"	40.4	240	10, 25
SPL63	63	59.7	2"	51.6	345	10, 25

To order quote part number, colour & reel length, e.g. SPL12/BL/50M

Approvals

KM35161

IP rating	Appropriate fitting
For use with: Type SPL	
IP40	N/A
IP65	N/A
IP66	Type SPL - Type M, C45 & C90
IP67	Type SPL - Type A, B, M, C45 & C90
IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)
IP69	Type SPL - Type M, C45 & C90

Temperature range
Static applications: -20°C to +105°C
Moving applications: -5°C to +105°C
Flexibility & fatigue life
Medium flexibility – Medium fatigue life
Fire performance & EMI screen
Self extinguishing

UV resistance

Very high

Type LFH-SPL - Adaptasteel

Low fire hazard performance covered steel flexible conduit / Materials: Low fire hazard jacket covered galvanised steel / Colour: Black (BL) Only



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	US conduit size (in)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
LFH-SPL16	16	17.0	⅜"	13.0	50	10, 25
LFH-SPL20	20	21.5	½"	16.9	80	10, 25
LFH-SPL25	25	26.0	¾"	21.4	110	10, 25
LFH-SPL32	32	34.0	1"	28.1	145	10, 25
LFH-SPL40	40	44.5	1 ¼"	37.7	180	10
LFH-SPL50	50	55.0	1 ½"	48.4	240	10
LFH-SPL63	63	64.5	2"	57.5	345	10

To order quote part number, colour & reel length, e.g. SPL12/BL/50M

Approvals

KM35161

EN45545-2 HL3 - R22 & R23

IP rating	Appropriate fitting
For use with: Type SPL	
IP40	N/A
IP65	N/A
IP66	Type SPL - Type M, C45 & C90
IP67	Type SPL - Type A, B, M, C45 & C90
IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)
IP69	Type SPL - Type M, C45 & C90

Temperature range
Static applications: -20°C to +90°C
Moving applications: -5°C to +105°C
Flexibility & fatigue life
Medium flexibility – Medium fatigue life
Fire performance & EMI screen
Self extinguishing
Halogen free

UV resistance

High

Metallic conduit systems

Type SPL-EF - Adaptasteel



The NEW SPL-EF conduit systems are Enhanced Fire Performance rated, highly flexible, liquid tight with a wide temperature operating range. Designed to meet the demand for 'interoperability' and compliance with stringent local and European fire safety requirements in the rail infrastructure market, the SPL-EF system, is accredited with the EN45545-2 standard achieving the highest HL3 fire performance rating for both interior and exterior locations.

The system provides higher performance levels of flexibility, impact and abrasion resistance, combined with enhanced chemical resistances especially to oils and greases, with a much higher and lower temperature rating (-40°C to +105°C), than any other metallic conduit system with a EN45545-2 HL3 rating.

Advantages include:

- EN45545-2 and BS EN 61386-1 & 23 accreditation
- HL3 - R22 & R23 rating
- Up to IP69 rating
- High flexibility
- Oil and hydrocarbons resistant
- Suitable for wide use underground and in any part of train vehicles and infrastructure

Many of our conduit systems have industry recognised approvals including British Kitemark, CE Approval, UL 1696, NF, LUL, DB, Lloyds Register amongst others.

Type SPL-EF - Adaptasteel NEW

Enhanced fire performance covered steel flexible conduit / Materials: Thermoplastic jacket covered galvanised steel / Colour: Black (BL) Only



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	US conduit size (in)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SPL-EF12	12	14.2	5/16"	10.0	45	10, 25, 50
SPL-EF16	16	17.8	3/8"	12.5	50	10, 25, 50
SPL-EF20	20	21.1	1/2"	15.9	80	10, 25, 50
SPL-EF25	25	26.4	3/4"	21.0	110	10, 25, 50
SPL-EF32	32	33.1	1"	26.7	145	10, 25, 50
SPL-EF40	40	41.8	1 1/4"	35.4	180	10, 25
SPL-EF50	50	47.9	1 1/2"	40.4	240	10, 25

To order quote part number, colour & reel length, e.g. SPL-EF12/BL/50M

Approvals

KM35161

EN45545-2 HL3 - R22 & R23

IP rating	Appropriate fitting
For use with: Type SPL	
IP40	N/A
IP65	N/A
IP66	Type SPL - Type M, C45 & C90
IP67	Type SPL - Type A, B, M, C45 & C90
IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)
IP69	Type SPL - Type M, C45 & C90

Temperature range
Static applications: -40°C to +105°C
Moving applications: -30°C to +105°C
Flexibility & fatigue life
Very high flexibility – High fatigue life
Fire performance & EMI screen
Self extinguishing
Halogen free

UV resistance

Very high

Metallic conduit systems

Type SPLHC & SPUL - Adaptasteel

Type SPLHC - Adaptasteel

Liquid tight extreme temperature covered steel flexible conduit / Materials: Thermoplastic rubber covered galvanised steel / Colour: Black (BL) Only



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	US conduit size (in)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SPLHC10	10	11.8	¼"	7.0	40	25, 50
SPLHC12	12	14.2	5⁄16"	10.0	40	25, 50
SPLHC16	16	17.8	⅜"	12.5	50	25
SPLHC20	20	21.1	½"	15.9	80	25
SPLHC25	25	26.4	¾"	21.0	110	25
SPLHC32	32	33.1	1"	26.7	145	25
SPLHC40	40	41.8	1 ¼"	35.4	180	25
SPLHC50	50	47.9	1 ½"	40.4	240	25
SPLHC63	63	59.7	2"	51.6	345	25

To order quote part number, colour & reel length, e.g. SPLHC12/BL/50M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161	**For use with:** Type SPL		Static applications: -65°C to +135°C	Very high
	IP40	N/A	Moving applications: -45°C to +150°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	Type SPL - Type M, C45 & C90	Very high flexibility – High fatigue life	
	IP67	Type SPL - Type A, B, M, C45 & C90	**Fire performance & EMI screen**	
	IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)	Self extinguishing Halogen free	
	IP69	Type SPL - Type M, C45 & C90		

Type SPUL - Adaptasteel

Liquid tight UL listed & CSA approved covered steel flexible conduit / Materials: PVC covered galvanised steel with copper packing / Colour: Black (BL), Grey (GR)



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	US conduit size (in)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SPUL16	16	17.8	⅜"	12.5	50	25, 50
SPUL20	20	21.1	½"	15.9	80	50
SPUL25	25	26.4	¾"	21.0	110	25, 50
SPUL32	32	33.1	1"	26.7	145	25
SPUL40	40	41.8	1 ¼"	35.4	180	25
SPUL50	50	47.9	1 ½"	40.4	240	25
SPUL63	63	59.7	2"	51.6	345	10, 25

To order quote part number, colour & reel length, e.g. SPL12/BL/50M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
File No. E76358	**For use with:** Type SPL		Static applications: -20°C to +90°C	High
	IP40	N/A	Moving applications: -5°C to +105°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	Type SPL - Type M, C45 & C90	Medium flexibility – Medium fatigue life	
	IP67	Type SPL - Type A, B, M, C45 & C90	**Fire performance & EMI screen**	
	IP68	Type SPL - Type M, C45 & C90 (10 bar 30 mins)	Self extinguishing	
	IP69	Type SPL - Type M, C45 & C90		

Metallic conduit systems

Type A & B - Adaptasteel

Type A - Adaptasteel

Straight fitting - Fixed external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	US conduit size (in)	Metric thread
SPL16/M16/A	16	⅜”	M16
SPL16/M20/A	16	⅜”	M20
SPL20/M20/A	20	½”	M20
SPL25/M25/A	25	¾”	M25
SPL32/M32/A	32	1”	M32

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals
KM35161

IP rating	Appropriate conduit
For use with: Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL	
IP40	N/A
IP65	N/A
IP66	N/A
IP67	Yes
IP68	N/A
IP69	N/A

Temperature range
Static applications: -65°C to +105°C
Moving applications: -45°C to +150°C

Type B - Adaptasteel

Straight fitting - Fixed external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	US conduit size (in)	Metric thread
SPL16/M16/B	16	⅜”	M16
SPL16/M20/B	16	⅜”	M20
SPL20/M20/B	20	½”	M20
SPL25/M25/B	25	¾”	M25
SPL32/M32/B	32	1”	M32

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals
KM35161

IP rating	Appropriate conduit
For use with: Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL	
IP40	N/A
IP65	N/A
IP66	N/A
IP67	Yes
IP68	N/A
IP69	N/A

Temperature range
Static applications: -65°C to +105°C
Moving applications: -45°C to +150°C
Fitting characteristics

Metallic conduit systems

Type E & M - Adaptasteel

Type E - Adaptasteel

Conduit terminator / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	US conduit size (in)
SPL10/E	10	¼”
SPL12/E	12	5/16”
SPL16/E	16	⅜”
SPL20/E	20	½”
SPL25/E	25	¾”
SPL32/E	32	1”
SPL40/E	40	1 ¼”
SPL50/E	50	1 ½”
SPL63/E	63	2”

Cable protection at exit point

Approvals
KM35161 CE LOW VOLTAGE DIRECTIVE

IP rating	Appropriate conduit
For use with: Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL	
IP54	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69	N/A

Temperature range
Static applications: -65°C to +300°C
Moving applications: -45°C to +250°C

Type M - Adaptasteel

Coupler / Materials: Nickel plated brass, co-polyester seals



Part no.	Nominal conduit size (mm)	US conduit size (in)	Bore (mm)
SPL16/U/M	16	3/8”	10.3
SPL20/U/M	20	1/2”	14.3
SPL25/U/M	25	3/4”	17.6
SPL32/U/M	32	1“	24.0
SPL40/U/M	40	1 1/4”	33.0
SPL50/U/M	50	1 1/2”	38.5
SPL63/U/M	63	2”	50.0

For coupling separate lengths of liquid tight conduit

Approvals
KM35161 CE LOW VOLTAGE DIRECTIVE

IP rating	Appropriate conduit
For use with: Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL	
IP54	N/A
IP65	N/A
IP66	Yes
IP67	Yes
IP68	Yes (10 bar 30 mins)
IP69	Yes

Temperature range
Static applications: -65°C to +150°C
Moving applications: -45°C to +150°C
Fitting characteristics

Metallic conduit systems

Type M - Adaptasteel

Type M - Adaptasteel

Straight fitting - Fixed external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	US conduit size (in)	Metric thread
SPL10/M12/M	10	¼”	M12
SPL10/M16/M	10	¼”	M16
SPL12/M16/M	12	5/16”	M16
SPL16/M16/M	16	⅜”	M16
SPL16/M20/M	16	⅜”	M20
SPL20/M20/M	20	½”	M20
SPL25/M25/M	25	¾”	M25
SPL32/M32/M	32	1”	M32
SPL40/M40/M	40	1 ¼”	M40
SPL50/M50/M	50	1 ½”	M50
SPL63/M63/M	63	2”	M63

Part no.	Nominal conduit size (mm)	US conduit size (in)	PG thread
SPL10/PG7/M	10	¼”	PG7
SPL12/PG9/M	12	5/16”	PG9
SPL16/PG11/M	16	⅜”	PG11
SPL16/PG13/M	16	⅜”	PG13,5
SPL20/PG16/M	20	½”	PG16
SPL25/PG21/M	25	¾”	PG21
SPL32/PG29/M	32	1”	PG29
SPL40/PG36/M	40	1 ¼”	PG36
SPL50/PG42/M	50	1 ½”	PG42
SPL63/PG48/M	63	2”	PG48

Part no.	Nominal conduit size (mm)	US conduit size (in)	NPT thread
SPL16/038/M	16	⅜”	⅜”
SPL20/050/M	20	½”	½”
SPL25/075/M	25	¾”	¾”
SPL32/100/M	32	1”	1”
SPL40/125/M	40	1 ¼”	1 ¼”
SPL50/150/M	50	1 ½”	1 ½”
SPL63/200/M	63	2”	2”

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals

UL514B
File No. E60625

IP rating	Appropriate conduit
For use with: Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL	
IP54	N/A
IP65	N/A
IP66	Yes
IP67	Yes
IP68	Yes (10 bar 30 mins)
IP69	Yes

Temperature range

Static applications: -65°C to +150°C

Moving applications: -45°C to +150°C

Fitting characteristics

Metallic conduit systems

Type C90 & 45 - Adaptasteel

Type C90 - Adaptasteel

90° Combined fitting & elbow - Fixed external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	US conduit size (in)	Metric thread	Part no.	Nominal conduit size (mm)	US conduit size (in)	NPT thread
SPL16/M16/C90	16	⅜"	M16	SPL16/038/C90	16	⅜"	⅜"
SPL16/M20/C90	16	⅜"	M20	SPL16/050/C90	16	⅜"	⅜"
SPL20/M20/C90	20	½"	M20	SPL20/050/C90	20	½"	½"
SPL25/M25/C90	25	¾"	M25	SPL25/075/C90	25	¾"	¾"
SPL32/M32/C90	32	1"	M32	SPL32/100/C90	32	1"	1"
SPL40/M40/C90	40	1 ¼"	M40	SPL40/125/C90	40	1 ¼"	1 ¼"
SPL50/M50/C90	50	1 ½"	M50	SPL50/150/C90	50	1 ½"	1 ½"
SPL63/M63/C90	63	2"	M63	SPL63/200/C90	63	2"	2"

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161 CE LOW VOLTAGE DIRECTIVE	**For use with:** Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL		Static applications: -65°C to +150°C
UL514B File No. E60625	**IP54**	N/A	Moving applications: -45°C to +150°C
	IP65	N/A	
	IP66	Yes	
	IP67	Yes	
	IP68	Yes (10 bar 30 mins)	
	IP69	Yes	

Type 45 - Adaptasteel

45° Elbow - Fixed external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	US conduit size (in)	Metric thread	Part no.	Nominal conduit size (mm)	US conduit size (in)	NPT thread
SPL16/M16/C45	16	⅜"	M16	SPL16/038/C45	16	⅜"	⅜"
SPL16/M20/C45	16	⅜"	M20	SPL16/050/C45	16	⅜"	⅜"
SPL20/M20/C45	20	½"	M20	SPL20/050/C45	20	½"	½"
SPL25/M25/C45	25	¾"	M25	SPL25/075/C45	25	¾"	¾"
SPL32/M32/C45	32	1"	M32	SPL32/100/C45	32	1"	1"
SPL40/M40/C45	40	1 ¼"	M40	SPL40/125/C45	40	1 ¼"	1 ¼"
SPL50/M50/C45	50	1 ½"	M50	SPL50/150/C45	50	1 ½"	1 ½"
SPL63/M63/C45	63	2"	M63	SPL63/200/C45	63	2"	2"

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161 CE LOW VOLTAGE DIRECTIVE	**For use with:** Type SPL / SPLHC / SPUL / SPL-EF / LFH-SPL		Static applications: -65°C to +150°C
UL514B File No. E60625	**IP54**	N/A	Moving applications: -45°C to +150°C
	IP65	N/A	
	IP66	Yes	
	IP67	Yes	
	IP68	Yes (10 bar 30 mins)	
	IP69	Yes	

Metallic conduit systems

EMI screen Type SB & STC - Adaptasteel

Type SB - Adaptasteel

Galvanised steel, overbraided steel, enhanced EMI screening, flexible conduit / Materials: Galvanised steel conduit, galvanised steel overbraid



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SB10	10	10.0	6.8	25	25
SB12	12	14.0	10.3	30	25
SB16	16	17.5	13.0	35	25
SB20	20	21.5	16.9	45	25
SB25	25	26.0	21.4	55	25
SB32	32	34.0	28.1	60	10
SB40	40	43.6	37.7	80	10
SB50	50	56.0	48.4	90	10
SB63	63	65.0	57.5	115	10
SB75	75	80.0	70.0	150	10

To order quote part number, colour & reel length, e.g. SPLHC12/BL/50M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161	**For use with:** Type SB		Static applications: -50°C to +300°C	Very high
	IP40	Type SB - Type A & B	Moving applications: -45°C to +250°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	N/A	High flexibility – High fatigue life	
	IP67	N/A	**Fire performance & EMI screen**	
	IP68	N/A		
	IP69	N/A		

Type STC - Adaptasteel

Galvanised steel, overbraided tinned copper, high EMI screening, flexible conduit / Materials: Galvanised steel conduit, tinned copper overbraid



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
STC10	10	10.0	6.8	25	25
STC12	12	14.0	10.3	30	25
STC16	16	17.5	13.0	35	25
STC20	20	21.5	16.9	45	25
STC25	25	26.0	21.4	55	25
STC32	32	34.0	28.1	60	10
STC40	40	43.6	37.7	80	10
STC50	50	56.0	48.4	90	10

To order quote part number & reel length, e.g. STC12/25M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161	**For use with:** Type SB		Static applications: -50°C to +300°C	Very high
	IP40	Type SB - Type A & B	Moving applications: -45°C to +250°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	N/A	High flexibility – High fatigue life	
	IP67	N/A	**Fire performance & EMI screen**	
	IP68	N/A		
	IP69	N/A		

Metallic conduit systems

EMI screen Type SSB & SSBGS - Adaptasteel

Type SSB - Adaptasteel

Overbraided, standard EMI screening, flexible conduit / Materials: Stainless steel conduit, stainless steel overbraid



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SSB12	12	14.0	10.3	30	25
SSB16	16	17.5	13.0	35	25
SSB20	20	21.5	16.9	45	25
SSB25	25	26.0	21.4	55	25
SSB32	32	34.0	28.1	60	10

To order quote part number, colour & reel length, e.g. SPLHC12/BL/50M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161	**For use with:** Type SB		Static applications: -50°C to +300°C	Very high
	IP40	Type SB - Type A & B	Moving applications: -45°C to +250°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	N/A	High flexibility – High fatigue life	
	IP67	N/A	**Fire performance & EMI screen**	
	IP68	N/A		
	IP69	N/A		

Type SSBGS - Adaptasteel

Overbraided, standard EMI screening, flexible conduit / Materials: Galvanised steel conduit, galvanised steel overbraid



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SSBGS12	12	14.0	10.3	30	25
SSBGS16	16	17.5	13.0	35	25
SSBGS20	20	21.5	16.9	45	25
SSBGS25	25	26.0	21.4	55	25
SSBGS32	32	34.0	28.1	60	10

To order quote part number & reel length, e.g. SSBGS12/25M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161	**For use with:** Type SB		Static applications: -50°C to +300°C	Very high
	IP40	Type SB - Type A & B	Moving applications: -45°C to +250°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	N/A	High flexibility – High fatigue life	
	IP67	N/A	**Fire performance & EMI screen**	
	IP68	N/A		
	IP69	N/A		

Metallic conduit systems

EMI screen Type A & B - Adaptasteel

Type A - Adaptasteel

Straight fitting - Fixed Exteenal male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
SB10/M12/A	10	M12
SB12/M16/A	12	M16
SB16/M16/A	16	M16
SB20/M20/A	20	M20
SB25/M25/A	25	M25
SB32/M32/A	32	M32
SB40/M40/A	40	M40
SB50/M50/A	50	M50
SB63/M63/A	63	M63
SB75/M75/A	75	M75

For insertion into knockouts using a locknut (order locknuts separately)

Approvals

KM35161

IP rating	Appropriate conduit
For use with: Type SB / STC / SSB / SSBGS	
IP40	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69	N/A

Temperature range

Static applications: -50°C to +300°C

Moving applications: -45°C to +250°C

Type B - Adaptasteel

Straight fitting - Swivel external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
SB10/M12/B	10	M12
SB12/M16/B	12	M16
SB16/M16/B	16	M16
SB20/M20/B	20	M20
SB25/M25/B	25	M25
SB32/M32/B	32	M32
SB40/M40/B	40	M40
SB50/M50/B	50	M50

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals

KM35161

IP rating	Appropriate conduit
For use with: Type SB / STC / SSB / SSBGS	
IP40	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69	N/A

Temperature range

Static applications: -50°C to +300°C

Moving applications: -45°C to +250°C

Fitting characteristics

Metallic conduit systems

EMI screen, liquid resistant Type SPB & SPTC - Adaptasteel

Type SPB - Adaptasteel

Overbraided, enhanced EMI screening, flexible conduit / Materials: Galvanised steel conduit with PVC covering, galvanised steel overbraid



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SPB10	10	11.5	6.8	25	25
SPB12	12	15.5	10.3	25	25
SPB16	16	18.5	13.0	30	25
SPB20	20	23.0	16.9	35	25
SPB25	25	27.5	21.4	55	25
SPB32	32	35.5	28.1	60	10
SPB40	40	45.1	37.7	80	10
SPB50	50	57.5	48.4	90	10

To order quote part number & reel length, e.g. SPB12/25M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161	**For use with:** Type SPB		Static applications: -15°C to +70°C	Very high
	IP54	Type SB - Type A & B	Moving applications: -5°C to +90°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	N/A	High flexibility – Medium fatigue life	
	IP67	N/A	**Fire performance & EMI screen**	
	IP68	N/A	Self extinguishing	
	IP69	N/A		

Type SPTC - Adaptasteel

Overbraided tinned copper, high EMI screening, flexible conduit / Materials: Galvanised steel conduit, galvanised steel overbraid



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SPTC10	10	11.5	6.8	25	25
SPTC12	12	15.5	10.3	25	25
SPTC16	16	18.5	13.0	30	25
SPTC20	20	23.0	16.9	35	25
SPTC25	25	27.5	21.4	55	25
SPTC32	32	35.5	28.1	60	10
SPTC40	40	45.1	37.7	80	10
SPTC50	50	57.5	48.4	90	10

o order quote part number & reel length, e.g. SPTC12/25M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161	**For use with:** Type SB		Static applications: -15°C to +70°C	Very high
	IP54	Type SB - Type A & B	Moving applications: -5°C to +90°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	N/A	High flexibility – Medium fatigue life	
	IP67	N/A	**Fire performance & EMI screen**	
	IP68	N/A	Self extinguishing	
	IP69	N/A		

Metallic conduit systems

EMI screen, liquid resistant Type LFH-SPSS & A - Adaptasteel

Type LFH-SPSS - Adaptasteel

Overbraided, enhanced EMI screening, flexible conduit / Materials: Galvanised steel conduit with low fire hazard jacket, stainless steel overbraid



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
LFH-SPSS12	12	15.0	10.3	30	25
LFH-SPSS16	16	18.0	13.0	35	25
LFH-SPSS20	20	22.5	16.9	45	25
LFH-SPSS25	25	27.0	21.4	55	25
LFH-SPSS32	32	35.0	28.1	60	10
LFH-SPSS40	40	45.5	37.7	80	10
LFH-SPSS50	50	56.0	48.4	90	10

To order quote part number, colour & reel length, e.g. SPLHC12/BL/50M

Approvals	IP rating	Appropriate fitting	Temperature range	UV resistance
KM35161, CE LOW VOLTAGE DIRECTIVE, NF, UNDERGROUND	**For use with:** Type SPB		Static applications: -20°C to +90°C	Very high
	IP54	Type SB - Type A & B	Moving applications: -5°C to +105°C	
	IP65	N/A	**Flexibility & fatigue life**	
	IP66	N/A	Medium flexibility – Medium fatigue life	
	IP67	N/A	**Fire performance & EMI screen**	
	IP68	N/A	Self Extinguishing	STANDARD EMI SCREEN, ENHANCED ELFH FIRE HAZARD
	IP69	N/A		

Type A - Adaptasteel

Straight fitting - Fixed external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
SPB10/M12/A	10	M12
SPB12/M16/A	12	M16
SPB16/M16/A	16	M16
SPB20/M20/A	20	M20
SPB25/M25/A	25	M25
SPB32/M32/A	32	M32
SPB40/M40/A	40	M40
SPB50/M50/A	50	M50

For insertion into knockouts using a locknut (order locknut separately)

Approvals	IP rating	Appropriate conduit	Temperature range
KM35161, CE LOW VOLTAGE DIRECTIVE	**For use with:** Type SPB / SPTC		Static applications: -50°C to +300°C
	IP40	Yes	Moving applications: -45°C to +250°C
	IP65	N/A	
	IP66	N/A	
	IP67	N/A	
	IP68	N/A	
	IP69	N/A	

Metallic conduit systems

EMI screen, liquid resistant Type B & Liquid tight, high strength Type SPLHCB - Adaptasteel

Type B - Adaptasteel

Straight fitting - Swivel external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
SPB10/M12/B	10	M12
SPB12/M16/B	12	M16
SPB16/M16/B	16	M16
SPB20/M20/B	20	M20
SPB25/M25/B	25	M25
SPB32/M32/B	32	M32
SPB40/M40/B	40	M40
SPB50/M50/B	50	M50

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals

KM35161

IP rating	Appropriate conduit
For use with: Type SPB / SPTC	
IP54	Yes
IP65	N/A
IP66	N/A
IP67	N/A
IP68	N/A
IP69	N/A

Temperature range

Static applications: -50°C to +300°C

Moving applications: -45°C to +250°C

Fitting characteristics

Type SPLHCB - Adaptasteel

Extreme temperature, abuse resistant, overbraided, standard EMI screening, flexible conduit / Materials: Galvanised steel conduit, smooth thermoplastic rubber covering, stainless steel 316 overbraid



Part no.	Nominal conduit size (mm)	Outside diameter (mm)	Inside diameter (mm)	Min. bend radius (mm)	Reel length (m)
SPLHCB16	16	19.8	12.5	80	25
SPLHCB20	20	23.1	15.9	95	25
SPLHCB25	25	28.4	21.0	115	25
SPLHCB32	32	35.1	26.7	145	10
SPLHCB40	40	44.0	35.4	180	10
SPLHCB50	50	56.0	40.4	240	10

To order quote part number & reel length, e.g. SPLHCB16/25M

Approvals

KM35161

IP rating	Appropriate fitting
For use with: Type SPLB	
IP40	N/A
IP65	N/A
IP66	Type SPLB - Type A & B
IP67	Type SPLB - Type A & B
IP68	Type SPLB - Type A & B
IP69	N/A

Temperature range

Static applications: -65°C to +135°C

Moving applications: -54°C to +150°C

Flexibility & fatigue life

Very high flexibility – High fatigue life

Fire performance & EMI screen

Self extinguishing

Halogen Free

UV resistance

Very high

Metallic conduit systems

EMI screen, liquid resistant Type LFH-SPSS & A - Adaptasteel

Type A - Adaptasteel

Straight fitting - Fixed external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
SPLB16/M16/A	16	M16
SPLB16/M20/A	16	M20
SPLB20/M20/A	20	M20
SPLB25/M25/A	25	M25
SPLB32/M32/A	32	M32
SPLB40/M40/A	40	M40
SPLB50/M50/A	50	M50

For insertion into knockouts using a locknut (order locknut separately)

Approvals
KM35161

IP rating	Appropriate conduit
For use with: Type SPLHCB	
IP40	N/A
IP65	N/A
IP66	Yes
IP67	Yes
IP68	Yes (10 bar 30 mins)
IP69	N/A

Temperature range
Static applications: -65°C to +135°C
Moving applications: -45°C to +150°C

Type B - Adaptasteel

Straight fitting - Swivel external male thread / Materials: Nickel plated brass



Part no.	Nominal conduit size (mm)	Metric thread
SPLB16/M16/B	16	M16
SPLB16/M20/B	16	M20
SPLB20/M20/B	20	M20
SPLB25/M25/B	25	M25
SPLB32/M32/B	32	M32

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Approvals
KM35161

IP rating	Appropriate conduit
For use with: Type SPLHCB	
IP40	N/A
IP65	N/A
IP66	Yes
IP67	Yes
IP68	Yes (10 bar 30 mins)
IP69	N/A

Temperature range
Static applications: -65°C to +135°C
Moving applications: -45°C to +150°C
Fitting characteristics

Metallic conduit systems

Accessories - Type LNB/LNS, P & PSA

Type LNB/LNS

Metallic locknuts / Materials: Nickel plated brass, galvanised steel

Type LNB Metallic Locknuts



LNS Locknut



		Part no.			Part no.		Part no.
	Metric thread	Nickel plated brass	Galvanised steel	PG thread	Nickel plated brass	NPT thread	Steel
	M12 x 1.0	LNB/M12X1	-	PG7	LNB/PG7	3/8”	LNS/038
	M12 x 1.5	LNB/M12	-	PG9	LNB/PG9	1/2”	LNS/050
	M16	LNB/M16	LNS/M16	PG11	LNB/PG11	3/4”	LNS/075
	M20	LNB/M20	LNS/M20	PG13,5	LNB/PG13	1”	LNS/100
	M25	LNB/M25	LNS/M25	PG16	LNB/PG16	1 1/4”	LNS/125
	M32	LNB/M32	LNS/M32	PG21	LNB/PG21	1 1/2”	LNS/150
	M40	LNB/M40		PG29	LNB/PG29	2”	LNS/200
	M50	LNB/M50		PG36	LNB/PG36		
	M63	LNB/M63		PG42	LNB/PG42		
	M75	LNB/M75		PG48	LNB/PG48		

Type P

P-Clip Conduit Support / Materials: Plated Steel or Stainless Steel Construction with PVC Insert



	Plated steel part no.	Stainless steel part no.	Nominal conduit size (mm)	Plated steel part no.	Stainless steel part no.	Nominal conduit size (mm)
	PCLIP/10	-	10	PCLIP/32	PCLIP/32SS	32
	PCLIP/12	-	12	PCLIP/40	-	40
	PCLIP/16	PCLIP/16SS	16	PCLIP/50	-	50
	PCLIP/20	PCLIP/20SS	20	PCLIP/63	-	63
	PCLIP/25	PCLIP/25SS	25	PCLIP/75	-	75

Type PSA

Proximity switch connectors / Materials: Nickel plated brass



			Part no.
	Internal thread	To M16 internal thread	To PG9 internal thread
	M12 x 1.0	PSA16/M12	PSA9/M12
	M18 x 1.0	PSA16/M18	PSA9/M18
	M30	PSA16/M30	PSA9/M30

Metallic conduit systems

Accessories - Type 90/45, TC & Female couplers

Type 90/45

Brass elbows / Materials: Nickel plated brass

Type 90 Brass Elbow



Metric external male thread	Metric female metric thread	Part no. Type 90°	Part no. Type 45°
M16	M16	B/M16/90	-
M16	M20	-	B/M16/45
M20	M20	B/M20/90	B/M20/45
M25	M25	B/M25/90	B/M25/45
M32	M32	B/M32/90	B/M32/45

NPT external male thread	Metric female metric thread	Part no. Type 90°	Part no. Type 45°
½"	M20	B/050/90	B/050/45
¾"	M25	B/075/90	B/075/45
1"	M32	B/100/90	-

Type 45 Brass Elbow



Metric external male thread	Metric female metric thread	Part no. Type 90°	Part no. Type 45°
PG9	M16	B/PG9/90	
PG11	M16	B/PG11/90	B/PG11/45
PG13,5	M20	B/PG13/90	B/PG13/45
PG16	M20	B/PG16/90	B/PG16/45
PG21	M25	B/PG21/90	B/PG21/45

Type TC

Unef thread converter with two internal female threads / Materials: Nickel plated brass



Internal thread	To M16 internal thread	To M20 internal thread	To M25 internal thread	To M32 internal thread
⅝" UNEF	B/063U-M16/TC	-	-	-
¾" UNEF	B/075U-M16/TC	B/075U-M20/TC	-	-
⅞" UNEF	-	B/088U-M20/TC	-	-
1" UNEF	-	B/100U-M20/TC	B/100U-M25/TC	-
1 3⁄16" UNEF	-	B/119U-M20/TC	B/119U-M25/TC	-
1 5⁄16" UNEF	-	B/131U-M20/TC	-	-
1 7⁄16" UNEF	-		B/144U-M25/TC	B/144U-M32/TC

For insertion into threaded entries & knockouts using a locknut (order locknut separately)

Female Coupler

Brass internal female coupler / Materials: Nickel plated brass



Part no.	Metric thread
B/M16/C	M16
B/M20/C	M20
B/M25/C	M25
B/M32/C	M32

Part no.	Metric thread
B/M40/C	M40
B/M50/C	M50
B/M63/C	M63
B/M75/C	M75

Metallic conduit systems

Accessories - Type E, R & TC

Type LNB/LNS

Metallic locknuts / Materials: Nickel plated brass, galvanised steel

Type E, R & C
Enlargers, Reducers & Converters





External thread	To PG7 internal thread	To PG9 internal thread	To PG11 internal thread	To PG13,5 internal thread
M16	B/M16-PG7/TC	B/M16-PG9/TC	B/M16-PG11/TC	-
M20	B/M20-PG7/TC	B/M20-PG9/TC	B/M20-PG11/TC	B/M20-PG13/TC
M25	-	-	-	-
M32	-	-	-	-
M40	-	-	-	-
M50	-	-	-	-
PG7	-	B/PG7-PG9/E	-	-
PG9	B/PG9-PG7/R		B/PG9-PG11/E	B/PG9-PG13/E
PG11	B/PG11-PG7/R	B/PG11-PG9/R	-	B/PG11-PG13/E
PG13,5	B/PG13-PG7/R	B/PG13-PG9/R	B/PG13-PG11/R	-
PG16	B/PG16-PG7/R	B/PG16-PG9/R	B/PG16-PG11/R	B/PG16-PG13/R
PG21	-	-	B/PG21-PG11/R	B/PG21-PG13/R
PG29	-	-	-	-
PG36	-	-	-	-
PG42	-	-	-	-
PG48	-	-	-	-

External thread	To M10 internal thread	To M12 internal thread	To M16 internal thread	To M20 internal thread
M16	-	B/M16-M12/R	-	B/M16-M20/E
M20	B/M20-M10/R	B/M20-M12/R	B/M20-M16/R	-
M25	-	-	-	B/M25-M20/R
M32	-	-	-	-
M40	-	-	-	-
M50	-	-	-	-
PG7	-	-	B/PG7-M16/TC	B/PG7-M20/TC
PG9	-	-	B/PG9-M16/TC	B/PG9-M20/TC
PG11	-	-	B/PG11-M16/TC	B/PG11-M20/TC
PG13,5	-	-	B/PG13-M16/TC	B/PG13-M20/TC
PG16	-	-	B/PG16-M16/TC	B/PG16-M20/TC
PG21	-	-	B/PG21-M16/TC	B/PG21-M20/TC
PG29	-	-	-	B/PG29-M20/TC
PG36	-	-	-	-
PG42	-	-	-	-
PG48	-	-	-	-
1/2" NPT	-	-	B/050-M16/TC	B/050-M20/TC

To PG16 internal thread	To PG21 internal thread	To PG29 internal thread	To PG36 internal thread	To PG42 internal thread	To PG48 internal thread
-	-	-	-	-	-
B/M20-PG16/TC	B/M20-PG21/TC	-	-	-	-
-	B/M25-PG21/TC	-	-	-	-
-	-	B/M32-PG29/TC	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
B/PG11-PG16/E	-	-	-	-	-
B/PG13-PG16/E	B/PG13-PG21/E	-	-	-	-
-	B/PG16-PG21/E	-	-	-	-
B/PG21-PG16/R	-	B/PG21-PG29/E	-	-	-
B/PG29-PG16/R	B/PG29-PG21/R	-	B/PG29-PG36/E	-	-
-	B/PG36-PG21/R	B/PG36-PG29/R	-	B/PG36-PG42/E	B/PG36-PG48/E
-	-	B/PG42-PG29/R	B/PG42-PG36/R	-	B/PG42-PG48/E
-	-	-	B/PG48-PG36/R	B/PG48-PG42/R	-

To M25 internal thread	To M32 internal thread	To M40 internal thread	To ½" NPT internal thread
-	-	-	-
B/M20-M25/E	-	-	B/M20-050/TC
-	B/M25-M32/E	-	-
B/M32-M25/R	-	-	-
-	B/M40-M32/R	-	-
-	-	B/M50-M40/R	-
-	-	-	-
-	-	-	-
-	-	-	B/PG11-050/TC
-	-	-	-
B/PG16-M25/TC	-	-	B/PG16-050/TC
B/PG21-M25/TC	B/PG21-M32/TC	-	-
B/PG29-M25/TC	B/PG29-M32/TC	B/PG29-M40/TC	-
-	B/PG36-M32/TC	B/PG36-M40/TC	-
-	-	-	-
-	-	-	-
-	-	-	-