
PRODUCT CATALOGUE

Harnessflex®

Providing superior protection
for automotive wiring harnesses



Harnessflex

Harnessflex offers complete system solutions for the routing and protection of electrical wiring against damage by mechanical abrasion, liquid ingress and corrosion.

Using a Harnessflex conduit system ensures that cables and vulnerable connectors are not exposed to the elements, impact of foreign bodies or jet washing, all of which can cause vehicles and machines to malfunction and fail.

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Introduction

Company overview

Harnessflex was established in 1984 and is a leading designer and manufacturer of flexible conduit systems and connector interfaces, protecting critical electrical and electronic wiring assemblies in the automotive industry.

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01 **TPS T-piece** - External conduit fitting with Multi-way reducer.

Applications

Harnessflex provides harness solutions for:

- Agricultural vehicles
- Construction vehicles
- Engine manufacturers
- Harness manufacturers
- Truck & bus manufacturers
- Tanker & trailer manufacturers
- Specialist vehicle components
- Military vehicles

Harnessflex offers complete system solutions for the routing and protection of electrical wiring against damage by mechanical abrasion, liquid ingress and corrosion salts. Using a Harnessflex conduit system ensures that vulnerable connectors are not exposed to the elements, impact of foreign bodies or jet washing, all of which can cause vehicle malfunction and failure.

Our success has come from our systematic commitment to providing an extensive range of high-grade quality components. Combining a full range of slit and un-slit conduit, fittings and connectors, we also offer a large range of hinged system components and connector interfaces.

Our customers

Offering bespoke design that utilises our extensive range of interfaces, we can offer tailored and innovative solutions for a range of applications.

Quality approvals and standards

Manufacturing is controlled in accordance with BS EN ISO 9001, whilst ongoing testing is conducted to the highest international standards and approvals. This provides the confidence that Harnessflex products can be used across the widest variety of automotive applications, including those in the harshest and most aggressive environments.

All components comply with End of Life Vehicle (ELV) directive EU2000/53/EC. Harnessflex also comply to ISO14001 - Environmental Standard.



Company overview

Our services

From bespoke design of innovative products to in-house performance testing to levels even above the highest global standards, at Harnessflex we ensure quality at every step.

At Harnessflex, we deliver specialist conduit systems suitable for use in a variety of applications, temperatures and environmental conditions. To achieve this, we work closely alongside OEMs and harness makers to deliver bespoke design systems that are built for purpose. In addition, all the products we manufacture are extensively tested in our in-house testing facility, ensuring they meet the highest levels of performance at all times.

Conduit systems designed to specification

Following a specification from the OEM, our technical team will draw up detailed final system designs, with 3D printed samples and prototypes for approval. Once signed off, the product will be commissioned for manufacture, with our technical team continuing to deliver engineering and design support throughout the process.

In-house product testing program

ABB has invested in a new testing facility at the Colehill, UK site for its global cable protection portfolio. Our 1,150sqft facility offers a broad spectrum of testing capacity, from feasibility research to ingress protection, mechanical testing and the accelerated simulation of extreme working environments. The site infrastructure includes hi-end test equipment, most notably, an automated ingress protection water chamber capable of IP X5, X6, X9 testing in accordance with many globally recognised standards.

Our complete product testing capabilities include:

- **Ingress Protection (IP)** - Capable of testing to IPX3, IPX4, IPX5, IPX6, IPX7, IPX8 (to 20 Bar) and IPX9
- **Climatic** - Testing performance in temperatures from -70 to +180 degrees Celsius
- **Mechanical testing** - Including tensile, compression, impact and abrasion at extremes of temperature to establish long term product resilience, resistance and stability. Additionally testing to destruction to assess maximum performance levels.

Through our internal design and testing resources, we are able to deliver high-performance tailored solutions for a variety of challenging operating conditions, to the highest industry standards. By combining our R&D operations, product manufacturing and testing processes into one Harnessflex services package, we can deliver market-leading cable protection solutions to customers around the world, in an accurate and efficient manner.

As standard, we offer a 5 year extended warranty on all Harnessflex products that are installed as part of a complete, fully integrated system.





5 year warranty on your Harnessflex system

As all Harnessflex products are intensively tested under the most extreme conditions, we can guarantee the durability of the systems we provide. That's why as standard, we offer a 5 year extended warranty on all Harnessflex products that are installed as part of a complete, fully integrated Harnessflex system.

This gives you and your customers the peace of mind that once your Harnessflex system is installed, it will deliver lasting protection of critical wiring over the vehicle's lifespan.

Harnessflex conduit systems

Introduction

Harnessflex conduit systems are built for performance, designed to protect critical wiring in harnesses on HGVs, off-road vehicles and other heavy automotives.

—
01 NC Standard weight
polyamide 6 conduit.

Harnessflex has the largest range of flexible conduits, sealed fittings, hinged connector interfaces and Y&T pieces, anywhere in the global cable protection market. Constantly evolving through innovation driven by some of the most demanding automotive industry sectors, Harnessflex products are designed to be used together as a system for easy installation and complete wiring harness protection.

Featuring a unique vibration friendly profile (VFP) as standard, as well as UV and heat stabilisation as standard, Harnessflex conduit systems provide 10-150% greater life expectancy in dynamic or vibrating applications, when compared with other products. This maximises the productivity of the system being protected, whilst minimising the risk of electrical failure.

From fit-and-forget CPC conduit systems offering unbeatable dynamic performance, to our TempGuard range that is designed and tested to withstand extreme temperatures, Harnessflex can provide a solution for most applications and environments.

Features & benefits:

- High flexibility and fatigue life - continuous performance over a long product lifespan
- Protects critical cables with very high abrasion, impact and shock resistance
- Specialist ranges for use in extreme high and low temperatures
- Range includes products with IP40-IP69 rating, as well as self-extinguishing and low fire hazard capabilities and fittings offering reduction options
- VFP as standard, delivering minimal cable abrasion
- Designed to maximise tensile strength and reduce together with all Harnessflex connector interface, Y&T and joining system installations
- 100% inspected and tested



Product selection guide

Conduit



Product selection guide

Type	NC	CTPA	HTC	CPC	NCV	HNC	PP	DSPP
Conduit material	Polyamide 6	Polyamide 6	Modified Co-Polyester FR	Modified Co-Polyester FR	FR Polyamide 6	Polyamide 12	Poly-propylene	Modified Poly-propylene
Conduit weight	Standard	Light	Medium	Medium	Standard	Standard	Medium	Medium
Slit version available	•	•	•	–	–	–	–	Slit only
Colour	●●●●	●●	●	●	●	●	●	●
Temperature range								
Long term static min.	-40°C	-40°C	-50°C	-50°C	-40°C	-60°C	-20°C	-20°C
Long term static max.	+120°C	+120°C	+150°C	+135°C	+120°C	+105°C	+90°C	+90°C
Short term (3000 hrs)	+150°C	+135°C	+175°C	+150°C	+150°C	+120°C	+105°C	+105°C
Short term (200 hrs)	+175°C	+150°C	+190°C	+175°C	+170°C	+135°C	+105°C	+120°C
Characteristics								
UV resistance	■■■■■	■■■■■	■■■■■	■■■■■	■■■■■	■■■■■	■■■■□	■■■■■
Flexibility	■■■■□	■■■■■	■■■■■	■■■■■	■■■■□	■■■■■	■■■■□	■■■■□
Fatigue life	■■■■■	■■■■□	■■■■■	■■■■■	■■■■□	■■■■■	■■■■□	■■■■□
Ext. wear resistance	■■■■■	■■■■■	■■■■□	■■■■□	■■■■■	■■■■□	■■■■□	■■■■□
Self extinguishing	•	•	•	•	•	•	–	•
Halogen free	•	•	•	•	•	•	•	•
Low smoke toxicity	•	•	•	•	•	•	–	–
Approvals								
CE	•	•	•	•	•	•	•	•
UL94 V0	–	–	–	–	•	–	–	–
UL94 V2	–	–	–	•	–	–	–	•
UL94 HB	•	•	•	–	–	•	•	–
R118	•	–	–	–	–	–	–	–
RoHS Compliant	•	•	•	•	•	•	•	•
ADR Approved	•	–	–	–	–	–	–	–
(ELV) EU200/53/EC	•	•	•	•	•	•	•	•
Chemical resistance*								
IRM 903 (ASTM Oil No.2)	S	S	S	S	S	S	S	S
Diesel Oil	S	S	S	S	S	S	S	S
Ethylene Glycol (Anti-freeze)	S	S	S	S	S	S	S	S
Lubricating Oil	S	S	S	S	S	S	S	S
Methyl Alcohol	L	L	S	S	L	S	S	S
Parafin Oil	S	S	S	S	S	S	S	S
Petrol	S	S	S	S	S	S	S	S
Sodium Chloride	S	S	S	S	S	S	S	S
Sodium Hydroxide (10%)	S	S	S	S	S	S	S	S
Transformer Oil	S	S	S	S	S	S	S	S
Urea	S	S	S	NT	S	S	NT	NT
Vegetable Oil	S	S	S	S	S	S	S	S
Sea (Water)	S	S	S	S	S	S	S	S

Key: S = Suitable / L = Limited Suitability / U = Unsustainable / NT = Not Tested / Maximum Performance = ■■■■■

*All chemicals tested for resistance at 23°C.

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NC Standard weight, polyamide 6

General purpose conduit



Solid



Slit

Description

Flexible standard weight nylon (PA6) conduit is a general-purpose conduit suitable for automotive harness applications. Able to withstand extremes of temperatures and resistant to automotive oils and solvents. It is extremely tough and has a very high impact strength and high fatigue life.

Applications

NC standard weight conduit is extensively used in harnesses on HGV and off road vehicle applications where a superior protection against impact and mechanical shock is preferred. The conduit is used for both chassis and engine applications and can be used in a wide range of temperatures. Polyamide 6 is highly resistant to all hydrocarbon based oils and fluids and many types of solvents.

NC Standard weight

Materials: Polyamide 6

Approvals	IP Rating	Appropriate fitting	Temperature range	UV resistance
ADR Approved (Sealed fittings)	IP40	Hinged fittings	Long term: -40°C to +120°C	Very high (Black)
UL94 HB rated		NC Slit (IP40 only)	Short term: +150°C	
CE Mark to the Low Voltage Directive	IP67	Sealed fittings	Fire performance	
RoHS Compliant to 2011/65/EU	IP68 (2 bar 30 mins)	Sealed fittings	Self extinguishing	Low smoke toxicity
Reg 118		Degree of mechanical protection		
Conforms with End of Life Vehicle directive (ELV) EU200/53/EC	High flexibility & fatigue life		Halogen free	
	Very high abrasion, impact and shock resistance			
	Suited to high risk impact applications			



Dimensions

	Solid Part No.	Slit Part No.	Conduit size		Nominal O/D	Min. bore	Min. static bend radius	Reel length (m)
			NC	NW	A (mm)	B (mm)	C (mm)	
	NC06	NC06-S	06	4.5	7.1	4.5	5.0	100
	NC08	NC08-S	08	7.5	10.0	6.5	15.0	100
	NC10	NC10-S	10	8.5	11.5	8.4	15.0	100
	NC12	NC12-S	12	10	13.0	9.9	20.0	100
	NC16	NC16-S	16	13	16.0	11.8	30.0	100
	NC20	NC20-S	20	17	21.2	16.6	35.0	50
	NC25	NC25-S	25	22	25.6	21.3	40.0	50
	NC28	NC28-S	28	23	28.5	22.6	45.0	50
	NC30	NC30-S	30	26	31.6	26.0	50.0	50
	NC32	NC32-S	32	29	34.5	28.8	55.0	50
	NC40	NC40-S	40	36	42.5	34.8	65.0	25
	NC50	NC50-S	50	48	54.5	46.9	70.0	25

Colours available: Black ● RAL 9001 / Orange ● RAL 2003 / Red ● RAL 3031 / *Other colour options available, subject strictly to MOQ.

To order quote part number & reel length, e.g. NC06/100m. For slit conduit options add -S to part number, e.g. NC06-S/100m.

For colours other than standard Black also add colour, i.e. /OR for Orange conduit, e.g. NC06/OR/100m.

Bulk coil lengths over 200m are also available.

CTPA Lightweight, polyamide 6

Extra flexible conduit



Solid



Slit

Description

Extra flexible lightweight nylon (PA6) conduit is a general-purpose conduit suitable for electrical loom applications. Able to withstand extremes of temperatures and resistant to automotive oils and solvents. It is extremely tough and has a medium impact strength and high fatigue life.

Applications

CTPA lightweight conduit is extensively used in general purpose, lightweight electrical loom applications. Polyamide 6 is highly resistant to all hydrocarbon based oils and fluids and many types of solvents.

CTPA Lightweight

Materials: Polyamide 6

Approvals	IP Rating	Appropriate fitting	Temperature range	UV resistance
CE Mark to the Low Voltage Directive	IP40	Hinged fitting	Long term: -40°C to +120°C	Very high (Black)
UL94 HB rated	IP67	Sealed fittings	Short term: +150°C	
RoHS Compliant to 2011/65/EU	Degree of mechanical protection		Fire performance	
Conforms with End of Life Vehicle directive (ELV) EU200/53/EC	High flexibility & fatigue life		Self extinguishing	
	Medium impact resistance - suited to lower impact risk applications		Low smoke toxicity	
			Halogen free	



Dimensions

	Solid Part No.	Slit Part No.	Conduit size		Nominal O/D A (mm)	Min. bore B (mm)	Min. static bend radius C (mm)	Reel length (m)
			NC	NW				
	CTPA08	CTPA08-S	08	7.5	10.0	6.5	10.0	100
	CTPA10	CTPA10-S	10	8.5	11.5	8.7	15.0	100
	CTPA12	CTPA12-S	12	10	13.0	10.1	20.0	100
	CTPA16	CTPA16-S	16	13	16.0	11.8	35.0	100
	CTPA20	CTPA20-S	20	17	21.2	16.9	45.0	50
	CTPA25	CTPA25-S	25	22	25.6	21.3	45.0	50
	CTPA28	CTPA28-S	28	23	28.5	23.1	45.0	50
	CTPA32	CTPA32-S	32	29	34.5	28.8	55.0	50
	CTPA40	CTPA40-S	40	36	42.5	35.0	65.0	25
	CTPA50	CTPA50-S	50	48	54.5	46.0	90.0	25

Colours available: Black ● RAL 9001 / Orange ● RAL 2003 / *Other colour options available, subject strictly to MOQ.

To order quote part number & reel length, e.g. CTPA08/100m. For slit conduit options add -S to part number, e.g. CTPA08-S/100m.

For colours other than standard Black also add colour, i.e. /OR for Orange conduit, e.g. CTPA08/OR/100m.

Bulk coil lengths over 200m are also available.

HTC High temperature, modified co-polyester

High temperature conduit



Solid

Slit

Description

Flexible high temperature, modified co-polyester conduit is a high temperature conduit suitable for automotive harness applications. Able to withstand extremes of temperatures and resistant to automotive oils and solvents. It is extremely tough and has a very high impact strength and fatigue life.

Applications

HTC high temperature, modified co-polyester conduit has been developed for use where elevated temperatures occur. Suitable for long term exposure, up to 190°C. HTC is resistant to hydrocarbons, greases, fuels and oils.

HTC Medium weight

Materials: Modified Co-Polyester

Approvals	IP Rating	Appropriate fitting	Temperature range	UV resistance
CE Mark to the Low Voltage Directive	IP40	TempGuard & standard hinged fittings	Long term: -50°C to +175°C	Very high
RoHS Compliant to 2011/65/EU	IP67	Sealed fittings	Short term: +190°C	
Conforms with End of Life Vehicle directive (ELV) EU200/53/EC	Degree of mechanical protection		Fire performance	
	Very high flexibility & fatigue life		Self extinguishing	
	Very high elevated temperature, abrasion, impact and shock resistance		Halogen free	



Dimensions

	Solid Part No.	Slit Part No.	Conduit size		Nominal O/D A (mm)	Min. bore B (mm)	Min. static bend radius C (mm)	Reel length (m)
			NC	NW				
	HTC06	HTC06-S	06	4.5	7.1	4.5	5.0	100
	HTC08	HTC08-S	08	7.5	9.8	6.2	20.0	50
	HTC10	HTC10-S	10	8.5	11.5	8.7	15.0	50
	HTC12	HTC12-S	12	10	13.0	9.4	25.0	50
	HTC16	HTC16-S	16	13	16.0	11.0	30.0	50
	HTC20	HTC20-S	20	17	21.2	16.1	40.0	50
	HTC25*	HTC25-S	25	22	25.3	21.0	45.0	50
	HTC28*	HTC28-S	28	23	28.5	22.5	45.0	50
	HTC32*	HTC32-S	32	29	34.5	27.2	55.0	50
	HTC40*	HTC40-S	40	36	42.5	34.8	65.0	25
	HTC50*	HTC50-S	50	48	54.5	46.9	70.0	25

Colours available: Brown ● RAL 8016. To order quote part number & reel length, e.g. HTC08/50m. For slit conduit options add -S to part number, e.g. NC08-S/50m.

CPC Medium weight, FR co-polyester

Flame retardant conduit



Solid

Description

Flexible medium weight, FR co-polyester conduit is a flame retardant, medium weight conduit suitable for automotive harness applications. Able to withstand extremes of temperatures and resistant to automotive oils and solvents. It is extremely tough and has a very high impact strength and fatigue life.

Applications

A low smoke, low toxicity conduit, CPC has excellent high and low temperature properties, making it ideal for harness applications such as engine, body section and chassis. CPC is resistant to hydrocarbons, greases, fuels and oils. Contact us for slit conduit options.

CPC Medium weight

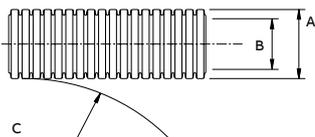
Materials: FR Co-Polyester

Approvals	IP Rating	Appropriate fitting	Temperature range	UV resistance
CE Mark to the Low Voltage Directive	IP40	Hinged fitting	Long term: -50°C to +135°C	Very high
UL94 V2 rated	IP67	Sealed fittings	Short term: +175°C	
RoHS Compliant to 2011/65/EU	Degree of mechanical protection		Fire performance	
Conforms with End of Life Vehicle directive (ELV) EU200/53/EC	Very high flexibility & fatigue life		Self extinguishing	
	Very high abrasion, impact and shock resistance at low temperatures		Low smoke toxicity	
			Halogen free	



Dimensions

Solid Part No.	Conduit size		Nominal O/D	Min. bore	Min. static bend radius	Reel length (m)
	NC	NW	A (mm)	B (mm)	C (mm)	
CPC08	08	7.5	9.8	6.2	20.0	100
CPC12	12	10	13.0	9.4	25.0	100
CPC16	16	13	16.0	11.0	30.0	50
CPC20	20	17	21.2	16.1	40.0	50
CPC25	25	22	25.3	21.0	45.0	50
CPC28	28	23	28.5	22.5	45.0	50
CPC32	32	29	34.5	27.2	55.0	50
CPC40	40	36	42.5	34.2	60.0	25
CPC50	50	48	54.5	46.9	70.0	25



Colours available: Black ● RAL 9001. To order quote part number & reel length, e.g. CPC08/100m.

NCV Standard weight, FR polyamide 6

Flame retardant conduit



Solid

Description

Flexible standard weight, FR nylon (PA6) conduit is a flame retardant conduit suitable for automotive harness applications. Able to withstand average temperatures and resistant to automotive oils and solvents. It is extremely tough and has a very high impact strength and high fatigue life.

Applications

NCV is used in applications requiring repeated flexing coupled with flame retardant resistance.

NCV Standard weight

Materials: FR Polyamide 6

Approvals	IP Rating	Appropriate fitting	Temperature range	UV resistance
CE Mark to the Low Voltage Directive	IP40	Hinged fitting	Long term: -40°C to +120°C	Very high
UL94 V0 rated	IP67	Sealed fittings	Short term: +150°C	
RoHS Compliant to 2011/65/EU	IP68 (2 bar 30 mins)	Sealed fittings	Fire performance	
Conforms with End of Life Vehicle directive (ELV) EU200/53/EC	Degree of mechanical protection		Self extinguishing	
	High flexibility & fatigue life		Low smoke toxicity	
	Very high abrasion, impact and shock resistance		Halogen free	
			UL94 V0 Rated	



Dimensions

	Solid Part No.	Conduit size		Nominal O/D A (mm)	Min. bore B (mm)	Min. static bend radius C (mm)	Reel length (m)
		NC	NW				
	NCV06	06	4.5	7.2	4.5	10	100
	NCV08	08	7.5	9.8	6.2	20	100
	NCV10	10	8.5	11.5	8.0	23	100
	NCV12	12	10	13.0	9.6	26	100
	NCV16	16	13	16.0	11.7	32	100
	NCV20	20	17	21.2	16.3	42	50
	NCV25	25	22	25.3	21.3	52	50
	NCV28	28	23	28.5	22.5	57	50
	NCV32	32	29	34.5	28.6	79	50

Colours available: Black ● RAL 9001. To order quote part number & reel length, e.g. NCV06-S/100m.

HNC Standard weight, polyamide 12

Low temperature, extra flexible conduit



Solid

Description

Extra flexible standard weight nylon (PA12) conduit is suitable for low temperature automotive harness applications. It is extremely tough and has a very high impact strength and fatigue life.

Applications

HNC is particularly used in applications requiring repeated flexing such as dynamic couplings, i.e. hydraulic arms and trailer couplings or rapid continuous motion, demanding high fatigue life and extra flexibility even in low temperature environments. Highly resistant to low temperature impact. HNC Standard weight conduit is designed for connection to all Harnessflex hinged and sealed fittings. Contact us for slit conduit options.

HNC Standard Weight

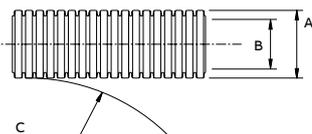
Materials: Polyamide 12

Approvals	IP Rating	Appropriate fitting	Temperature range	UV resistance
CE Mark to the Low Voltage Directive	IP40	Hinged fitting	Long term: -60°C to +105°C	Very high
UL94 HB rated	IP67	Sealed fittings	Short term: +120°C	
RoHS Compliant to 2011/65/EU	IP68 (2 bar 30 mins)	Sealed fittings	Fire performance	
Conforms with End of Life Vehicle directive (ELV) EU200/53/EC	Degree of mechanical protection		Self extinguishing	
	Very high flexibility & fatigue life		Low smoke toxicity	
	Very high abrasion, impact and shock resistance at low temperatures		Halogen free	



Dimensions

Solid Part No.	Conduit size		Nominal O/D A (mm)	Min. bore B (mm)	Min. static bend radius C (mm)	Reel length (m)
	NC	NW				
HNC08	08	7.5	10.0	6.2	15.0	100
HNC12	12	10	13.0	9.9	25.0	100
HNC16	16	13	15.8	11.7	30.0	100
HNC20	20	17	21.2	16.6	35.0	50
HNC25	25	22	25.3	21.0	40.0	50
HNC28	28	23	28.5	21.7	45.0	50
HNC32	32	29	34.5	27.7	55.0	50
HNC40	40	36	42.5	35.5	60.0	25
HNC50	50	48	54.5	46.6	70.0	25



Colours available: Black ● RAL 9001. To order quote part number & reel length, e.g. HNC08/100m.

PP Medium weight, polypropylene

Polypropylene conduit



Solid

Description

Flexible medium weight, polypropylene conduit is suitable for automotive harness applications. Able to withstand average temperatures and resistant to automotive oils and solvents. It is extremely tough and has a high acid resistance and medium fatigue life.

Applications

PP is particularly used in lighter applications where compression strength and LFH is not so important. The main property of this conduit is acid resistance. PP is designed for connection to all Harnessflex Sealed and Hinged system fittings.

PP Medium weight

Materials: Polypropylene

Approvals	IP Rating	Appropriate fitting	Temperature range	UV resistance
CE Mark to the Low Voltage Directive	IP40	Hinged fitting	Long term: -20°C to +90°C	High
UL94 HB rated	IP67	Sealed fittings	Short term: +105°C	
RoHS Compliant to 2011/65/EU	Degree of mechanical protection		Fire performance	
Conforms with End of Life Vehicle directive (ELV) EU200/53/EC	High flexibility and acid resistance		Halogen free	
	Medium fatigue life, impact and shock resistance			



Dimensions

	Solid Part No.	Conduit size		Nominal O/D A (mm)	Min. bore B (mm)	Min. static bend radius C (mm)	Reel length (m)
		NC	NW				
	PP08	08	7.5	10.0	6.4	15.0	100
	PP10	10	8.5	11.5	8.6	20.0	100
	PP12	12	10	13.0	9.6	25.0	100
	PP16	16	13	16.2	11.2	35.0	100
	PP20	20	17	21.2	16.9	35.0	50
	PP25	25	22	25.6	21.5	40.0	50
	PP28	28	23	28.5	23.2	45.0	50
	PP32	32	29	34.5	29.1	55.0	50

Colours available: Black ● RAL 9001. To order quote part number & reel length, e.g. PP08/100m. Bulk coil lengths over 200m are also available.

DSPP Deep section, medium weight, modified polypropylene

Modified Polypropylene conduit



Slit

Description

Flexible deep section, medium weight, modified polypropylene conduit is suitable for automotive harness applications. Able to withstand average temperatures and resistant to automotive oils and solvents. It is extremely tough and has a high acid resistance and medium fatigue life.

Applications

DSPP has a deep section to maintain the conduit shape during bending. Deep Section Conduits are supplied in slit form to facilitate rapid cable installation and are designed for connection to all Harnessflex hinged fittings.

DSPP Deep section medium weight

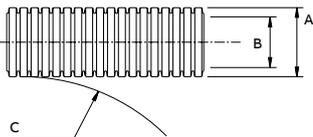
Materials: Modified Polypropylene

Approvals	IP Rating	Appropriate fitting	Temperature range	UV resistance
CE Mark to the Low Voltage Directive	IP40	Hinged fitting	Long term: -20°C to +90°C	Very high
UL94 V2 rated	Degree of mechanical protection		Short term: +105°C	
RoHS Compliant to 2011/65/EU	High flexibility and acid resistance		Fire performance	
Conforms with End of Life Vehicle directive (ELV) EU200/53/EC	Medium fatigue life, impact and shock resistance		Halogen free	



Dimensions

Slit Part No.	Conduit size		Nominal O/D A (mm)	Min. bore B (mm)	Min. static bend radius C (mm)	Reel length (m)
	NC	NW				
DSPP12-S	12	10	13.0	8.5	18.0	100
DSPP16-S	16	13	16.2	11.1	32.0	100
DSPP20-S	20	17	21.2	15.0	40.0	50
DSPP28-S	28	23	28.5	21.7	50.0	50
DSPP32-S	32	29	34.5	27.7	58.0	50
DSPP40-S	40	36	42.5	34.6	80.0	25



Colours available: Black ● RAL 9001. To order quote part number & reel length, e.g. DSPP12-S/100m.



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