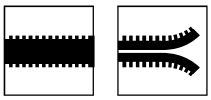
NC Standard weight, polyamide 6

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

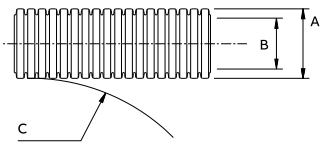
NC standard weight conduit is extensively used in harnesses on HGV and off road vehicle applications where a superior protection against impact and mechanical shock is preferred. The conduit is used for both chassis and engine applications and can be used in a wide range of temperatures. Polyamide 6 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** NC Slit (IP40 only)	Hinged fittings	Long term: -40°C to +120°C	Very high (Black)
CE Mark to the Low Voltage Directive			Short term: +150°C	
RoHS Compliant to 2011/65/EU	**IP67**	Sealed fittings	**Fire perfomance**	
Conforms with End of Life Vehicle directive (ELV) EU200/53/EC	**IP68** (2 bar 30 mins)	Sealed fittings	Self extinguishing	
	Degree of mechanical protection		Low smoke toxicity	
	High flexibility & fatigue life		Halogen free	
	Very high abrasion, impact and shock resistance		UL94 HB rated	
	Suited to high risk impact applications		UNECE R118 Annex 7 and 8	

Dimensions



Solid Part No.	Slit Part No.	Conduit size NC	Conduit size NW	Conduit size US	Nominal O/D A (mm)	Min. bore B (mm)	Min. static bend radius C (mm)	Reel length (m)
NC06	NC06-S	06	4.5	3/16	7.1	4.5	5.0	100
NC08	NC08-S	08	7.5	¼	10.0	6.5	15.0	100
NC10	NC10-S	10	8.5	5/16	11.5	8.4	15.0	100
NC12	NC12-S	12	10	5/16	13.0	9.9	20.0	100
NC16	NC16-S	16	13	⅜	16.0	11.8	30.0	100
NC20	NC20-S	20	17	½	21.2	16.6	35.0	50
NC25	NC25-S	25	22	¾	25.6	21.3	40.0	50
NC28	NC28-S	28	23	¾	28.5	22.6	45.0	50
NC30	NC30-S	30	26	1	31.6	26.0	50.0	50
NC32	NC32-S	32	29	1	34.5	28.8	55.0	50
NC40	NC40-S	40	36	1 ¼	42.5	34.8	65.0	25
NC50	NC50-S	50	48	1 ½	54.5	46.9	70.0	25

Colours available: Black ● RAL 9005 / Orange ● RAL 2003 / *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.