

TECHNICAL DATA SHEET

Harnessflex® Fast-Fit Type A Straight Fittings





The Harnessflex Fast-Fit series provides maximum cable protection to the highest possible IP rating when used with Harnessflex NC solid conduits.

Features & Benefits:

- One piece design with integrated conduit and thread sealing.
- Provides continuation of cable protection between conduit and cable entry points.
- High level of mechanical protection and highest degree of ingress protection against solids and liquids.
- Secure conduit clip design.
- Fixed external male thread for insertion into metric threaded entries or knockout holes (lock nuts included).
- Conduit and thread size indicators.

Applications:

- Construction vehicles
- Agricultural machinery
- Trucks
- Heavy duty and special purpose vehicles

Material:

- Polyamide 6,6 (Nylon) body / TPE Seals
- Very high UV resistance
- Heat stabilized (Self-extinguishing, low smoke toxicity & halogen free)

Ingress Protection:

• IP66 / 67 / 68 (2 bar 30 mins) / 69K

Compatible conduits:

All Harnessflex NC conduits

Conformity:

- CE Mark to the low voltage directive
- RoHS Compliant to 2011/65/EU
- Conforms with end of life vehicle directive (ELV) EU200/53/EC

Temperature range:

- Static Long Term -50C to +105C
- Static Short Term (3000 Hours) -50C to +120C
- Dynamic Long Term -45C to +105C
- Dynamic Short Term (5000 operations @MBR) -45C to +120C

Chemical resistance:

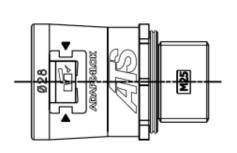
• Please refer to TDS000081

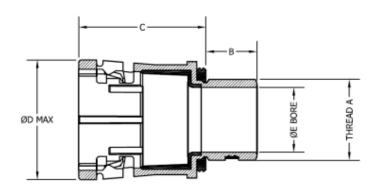


Fast-fit series straight conduit fittings: Part numbers and dimensions

Conduit size			Nominal dimensions (mm)				
Part No.	NC	NW	A*	В	С	D	E
HTS12/M16/A	12	10	M16 x 1.5	11.8	34.2	21.2	11.2
HTS16/M16/A	16	13	M16 x 1.5	11.8	36.0	23.2	11.2
HTS16/M20/A	16	13	M20 x 1.5	11.8	36.0	23.2	15.2
HTS20/M20/A	20	17	M20 x 1.5	11.8	36.5	30.2	15.2
HTS25/M25/A	25	23	M25 x 1.5	15.8	39.3	37.2	20.0
HTS32/M32/A	32	29	M32 x 1.5	15.8	41.0	44.2	31.2
HTS40/M40/A	40	36	M40 x 1.5	15.8	50.8	54.2	34.0
HTS50/M50/A	50	48	M50 x 1.5	15.8	56.3	66.2	44.0

 $^{^{\}ast}\,$ Standard metric thread conforming to EN60423 & BS3643 with a pitch of 1.5mm







Fast-fit series straight conduit fittings: Properties

Dynamic & Thermal Properties

Test type	Standard	Requirement	Result	
Dynamic Applications	IEC 61386-1	5000 Operations in 2 hours at MBR*	-45 to +120 °C	
Static short term temperature		Temporary use (3,000 hours)	-50 to +120 °C	
Static long term temperature		Permanent use (30,000 hours)	-40 to +105°C	

^{*} Conduit Minimum Bend Radius (MBR)

Flammability

Test type	Standard	Requirement	Result
Glow wire	BS EN 60695-2-11	Extinguish within 30 seconds	850°C
Flammability	IEC 61386-1-12	1Kw Burner flame to self-extinguish	Pass
Oxygen Index - Nylon Body	ISO 4589-2		24.1%
Ignition Rating - Nylon Body	NF F16-101	I Rating	14
Oxygen Index - Elastomer Seal	ISO 4589-2		20.2%
Ignition Rating - Elastomer Seal	NF F16-101	I Rating	14

Toxicity

Test type	Standard	Requirement	Result
Halogen Free	NFX 70-100	< 0.5%	Pass

Smoke

Test type	Standard	Requirement	Result
Fume Rating - Nylon Body	NF F16-101	F Rating	F2
Fume Rating - Elastomer Seal	NF F16-101	F Rating	F2

Pre-test conditions

Duration	Standard	Temperature	Relative humidity
168 hours	BS EN IEC61386	23°C	50%

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