

2.1

Insulation

Heat Shrinkable Tubing

Insultite HFT-A, HFT-B

Features and Benefits

This flexible heat shrink tubing has many excellent properties including fast shrinking, easy handling, good mechanical strength and resistance against chemicals and solvents. It is UL and CSA approved, easy to print on and available in a wide range of colours and internal diameters up to 4 inches (101.6mm).

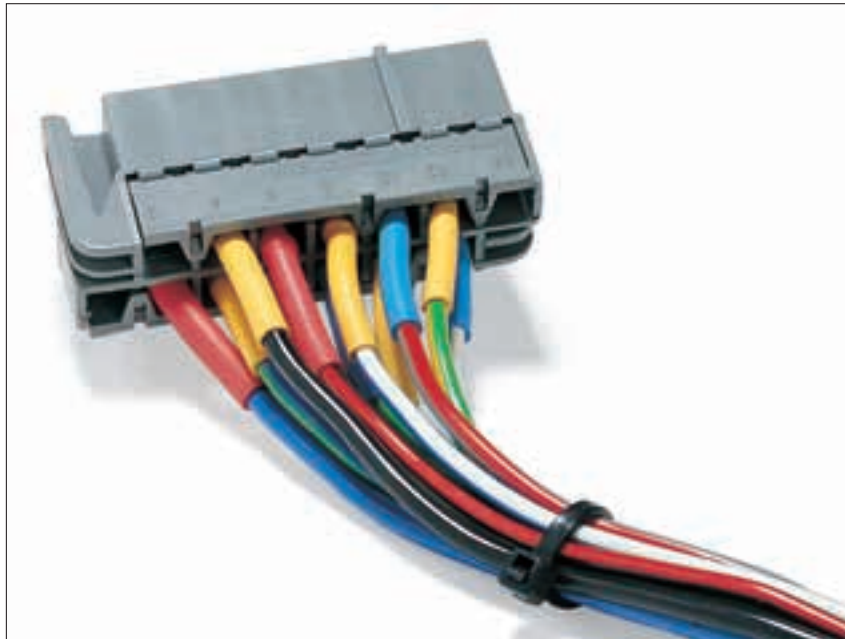
HFT-A is coloured and self extinguishing. HFT-B is transparent and halogen free.



Application

This high performance thin wall tubing is used extensively for electrical and mechanical protection. It is also well proven for sleeve marking to identify wiring circuits. It shrinks uniformly to form a permanent insulation covering.

The transparent version is used for bundling and cable protection where visual inspection is required. It is often used as a see through protective sleeve over cable markers.



HFT-A conforms to major standards used in all Defence industries.



HFT-A, HFT-B

Material Data	
Material	Polyolefin, Cross-linked (POX)
Shrink Ratio	2:1
Longitudinal change after shrinkage	-5% max.
Minimum Shrink Temperature	+100 °C
Operating Temperature	-55 °C to +135 °C , Intermittent +225 °C
Insulation Class	B (VDE 0530)
Dielectric Strength	20 kV/mm according to IEC 60684 P2
Flammability	self-extinguishing (except for transparent)
Specification	DEF STAN 59-97/3, SAE - AMS - DTL-23053 / 5C, CSA, NFF 00-608, UL224, DNV, VG 95343

Technical Table

Type	Type	Size/ Inch	Supplied Ø D	Recov. Ø d	Wall (WT) nom.	Reel Length (m)
HFT-A 1.2/0.6	HFT-B 1.2/0.6	3/64	1.2	0.6	0.4	100
HFT-A 1.6/0.8	HFT-B 1.6/0.8	1/16	1.6	0.8	0.4	100
HFT-A 2.4/1.2	HFT-B 2.4/1.2	3/32	2.4	1.2	0.5	100
HFT-A 3.2/1.6	HFT-B 3.2/1.6	1/8	3.2	1.6	0.5	100
HFT-A 4.8/2.4	HFT-B 4.8/2.4	3/16	4.8	2.4	0.5	75
HFT-A 6.4/3.2	HFT-B 6.4/3.2	1/4	6.4	3.2	0.6	75
HFT-A 9.5/4.8	HFT-B 9.5/4.8	3/8	9.5	4.8	0.6	50
HFT-A 12.7/6.4	HFT-B 12.7/6.4	1/2	12.7	6.4	0.6	50
HFT-A 19.0/9.5	HFT-B 19.0/9.5	3/4	19.0	9.5	0.8	25
HFT-A 25.4/12.7	HFT-B 25.4/12.7	1	25.4	12.7	0.9	25
HFT-A 38.0/19.0	HFT-B 38.0/19.0	1 1/2	38.0	19.0	1.0	50
HFT-A 50.8/25.4	HFT-B 50.8/25.4	2	50.8	25.4	1.1	35
HFT-A 76.0/38.0	HFT-B 76.0/38.0	3	76.0	38.0	1.3	25
HFT-A 101.6/50.8	HFT-B 101.6/50.8	4	101.6	50.8	1.4	25

All dimensions in mm. Subject to technical changes.



Please note! Not every product listed carries these approvals! For Product Specific Approvals please refer to the Appendix.

Insultite HFT-A, HFT-B

Technical Table

Article-No.	Type	Designation as per VG-Norm	Size/Inch	Colour	Reel Length (m)
305-01200	HFT-A 1.2/0.6	VG 95343 T05 A 001 A	3/64	Black (BK)	100
305-01202	HFT-A 1.2/0.6	VG 95343 T05 A 001 C	3/64	Red (RD)	100
305-01204	HFT-A 1.2/0.6	VG 95343 T05 A 001 E	3/64	Yellow (YE)	100
305-01206	HFT-A 1.2/0.6	VG 95343 T05 A 001 G	3/64	Blue (BU)	100
305-01209	HFT-A 1.2/0.6	VG 95343 T05 A 001 L	3/64	White (WH)	100
305-01219	HFT-B 1.2/0.6	VG 95343 T05 B 001 M	3/64	Transparent (CL)	100
305-01600	HFT-A 1.6/0.8	VG 95343 T05 A 002 A	1/16	Black (BK)	100
305-01602	HFT-A 1.6/0.8	VG 95343 T05 A 002 C	1/16	Red (RD)	100
305-01604	HFT-A 1.6/0.8	VG 95343 T05 A 002 E	1/16	Yellow (YE)	100
305-01606	HFT-A 1.6/0.8	VG 95343 T05 A 002 G	1/16	Blue (BU)	100
305-01609	HFT-A 1.6/0.8	VG 95343 T05 A 002 L	1/16	White (WH)	100
305-01619	HFT-B 1.6/0.8	VG 95343 T05 B 002 M	1/16	Transparent (CL)	100
305-02400	HFT-A 2.4/1.2	VG 95343 T05 A 003 A	3/32	Black (BK)	100
305-02402	HFT-A 2.4/1.2	VG 95343 T05 A 003 C	3/32	Red (RD)	100
305-02404	HFT-A 2.4/1.2	VG 95343 T05 A 003 E	3/32	Yellow (YE)	100
305-02406	HFT-A 2.4/1.2	VG 95343 T05 A 003 G	3/32	Blue (BU)	100
305-02409	HFT-A 2.4/1.2	VG 95343 T05 A 003 L	3/32	White (WH)	100
305-02419	HFT-B 2.4/1.2	VG 95343 T05 B 003 M	3/32	Transparent (CL)	100
305-03200	HFT-A 3.2/1.6	VG 95343 T05 A 004 A	1/8	Black (BK)	100
305-03202	HFT-A 3.2/1.6	VG 95343 T05 A 004 C	1/8	Red (RD)	100
305-03204	HFT-A 3.2/1.6	VG 95343 T05 A 004 E	1/8	Yellow (YE)	100
305-03206	HFT-A 3.2/1.6	VG 95343 T05 A 004 G	1/8	Blue (BU)	100
305-03209	HFT-A 3.2/1.6	VG 95343 T05 A 004 L	1/8	White (WH)	100
305-03219	HFT-B 3.2/1.6	VG 95343 T05 B 004 M	1/8	Transparent (CL)	100
305-04800	HFT-A 4.8/2.4	VG 95343 T05 A 005 A	3/16	Black (BK)	75
305-04802	HFT-A 4.8/2.4	VG 95343 T05 A 005 C	3/16	Red (RD)	75
305-04804	HFT-A 4.8/2.4	VG 95343 T05 A 005 E	3/16	Yellow (YE)	75
305-04806	HFT-A 4.8/2.4	VG 95343 T05 A 005 G	3/16	Blue (BU)	75
305-04809	HFT-A 4.8/2.4	VG 95343 T05 A 005 L	3/16	White (WH)	75
305-04819	HFT-B 4.8/2.4	VG 95343 T05 B 005 M	3/16	Transparent (CL)	75
305-06400	HFT-A 6.4/3.2	VG 95343 T05 A 006 A	1/4	Black (BK)	75
305-06402	HFT-A 6.4/3.2	VG 95343 T05 A 006 C	1/4	Red (RD)	75
305-06404	HFT-A 6.4/3.2	VG 95343 T05 A 006 E	1/4	Yellow (YE)	75
305-06406	HFT-A 6.4/3.2	VG 95343 T05 A 006 G	1/4	Blue (BU)	75
305-06409	HFT-A 6.4/3.2	VG 95343 T05 A 006 L	1/4	White (WH)	75
305-06419	HFT-B 6.4/3.2	VG 95343 T05 B 006 M	1/4	Transparent (CL)	75
305-09500	HFT-A 9.5/4.8	VG 95343 T05 A007 A	3/8	Black (BK)	50
305-09502	HFT-A 9.5/4.8	VG 95343 T05 A007 C	3/8	Red (RD)	50
305-09504	HFT-A 9.5/4.8	VG 95343 T05 A007 E	3/8	Yellow (YE)	50
305-09506	HFT-A 9.5/4.8	VG 95343 T05 A007 G	3/8	Blue (BU)	50
305-09509	HFT-A 9.5/4.8	VG 95343 T05 A007 L	3/8	White (WH)	50
305-09519	HFT-B 9.5/4.8	VG 95343 T05 B 007 M	3/8	Transparent (CL)	50
305-12700	HFT-A 12.7/6.4	VG 95343 T05 A 008 A	1/2	Black (BK)	50
305-12702	HFT-A 12.7/6.4	VG 95343 T05 A 008 C	1/2	Red (RD)	50
305-12704	HFT-A 12.7/6.4	VG 95343 T05 A 008 E	1/2	Yellow (YE)	50
305-12706	HFT-A 12.7/6.4	VG 95343 T05 A 008 G	1/2	Blue (BU)	50
305-12709	HFT-A 12.7/6.4	VG 95343 T05 A 008 L	1/2	White (WH)	50
305-12719	HFT-B 12.7/6.4	VG 95343 T05 B 008 M	1/2	Transparent (CL)	50
305-19000	HFT-A 19.0/9.5	VG 95343 T05 A 009 A	3/4	Black (BK)	25
305-19002	HFT-A 19.0/9.5	VG 95343 T05 A 009 C	3/4	Red (RD)	25
305-19004	HFT-A 19.0/9.5	VG 95343 T05 A 009 E	3/4	Yellow (YE)	25

HFT-A and HFT-B are also available in the same colours from size 25.4/12.7 mm (1") to 101.6/50.8 mm (4").
These items are available in different spool lengths.
For more information please contact us or visit our internet site www.HellermannTyton.co.uk

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