

2.1 Heat Shrinkable Tubing

Insulation

HIS is a range of two heat shrink tubing types in handy dispenser boxes. The range consists of HIS-3 and HIS-A (a dual wall tubing) with 3:1 shrink ratios. With their ideal shrink ratio of 3:1 these products replace many differently sized tubing solutions by fitting almost any heat shrink task. The handy dispenser boxes allow for proper storage and the tubing can remain dust-free even after breaking open a package.

HIS-3

Features and Benefits

HIS-3 with 3:1 shrink ratio, unlined tubing is the new generation of tubing in dispenser packs fitting highly variable substrate dimensions.

Another great benefit of HIS-3 is that only 5 sizes cover the same range of diameters from 1mm up to 20mm in 10 sizes of 2:1 shrink ratio tubing, thus reducing the inventory by half. To complete the range sizes 9/3 and 18/6 are also available.

Application

- General purpose electrical insulation
- Coloured Identification
- Protection against corrosion and mechanical abrasion



HIS-3 can fit highly variable substrate dimensions.

Material Data	
RoHS	
Type	HIS-3
Material	Polyolefin, Cross-linked (POX)
Shrink Ratio	3:1
Longitudinal change after shrinkage	-10% max.
Minimum Shrink Temperature (Metric)	+110 °C
Operating Temperature	-55 °C to +125 °C
Dielectric Strength (metric)	25 kV according to ASTM D 876
Flammability	ASTM D2671

HIS-A

Features and Benefits

HIS-A is dual wall tubing with a 3:1 shrink ratio. The inner wall melts when heated and is forced into gaps. When the tubing cools down the adhesive forms a seal against moisture and protects the components. HIS-A is available in black only and comes in 6 sizes covering a wide range of applications due to its 3:1 shrink ratio.

Application

- Forms a seal against moisture
- Protection against corrosion and mechanical abrasion

Material Data	
RoHS	
Type	HIS-A
Material	Polyolefin, Cross-linked (POX)
Shrink Ratio	3:1
Longitudinal change after shrinkage	-10% max.
Minimum Shrink Temperature (Metric)	+120 °C
Operating Temperature	-55 °C to +110 °C
Dielectric Strength (metric)	15 kV/mm according to IEC 684 P2
Flammability	ASTM D2671 (outer layer only)

HIS-3

Technical Table

Article-No.	Type	Supplied Ø D	Recov. Ø (D)	Wall (WT) nom.	Pack Cont. m	Colour
308-30150	HIS-3-1,5/0,5	1.5	0.5	0.5	10	Black (BK)
308-30152	HIS-3-1,5/0,5	1.5	0.5	0.5	10	Red (RD)
308-30153	HIS-3-1,5/0,5	1.5	0.5	0.5	10	Transparent (CL)
308-30156	HIS-3-1,5/0,5	1.5	0.5	0.5	10	Blue (BU)
308-30300	HIS-3-3/1	3.0	1.0	0.6	10	Black (BK)
308-30302	HIS-3-3/1	3.0	1.0	0.6	10	Red (RD)
308-30303	HIS-3-3/1	3.0	1.0	0.6	10	Transparent (CL)
308-30306	HIS-3-3/1	3.0	1.0	0.6	10	Blue (BU)
308-30307	HIS-3-3/1	3.0	1.0	0.6	10	Green-Yellow (GNYE)
308-30600	HIS-3-6/2	6.0	2.0	0.7	5	Black (BK)
308-30602	HIS-3-6/2	6.0	2.0	0.7	5	Red (RD)
308-30603	HIS-3-6/2	6.0	2.0	0.7	5	Transparent (CL)
308-30606	HIS-3-6/2	6.0	2.0	0.7	5	Blue (BU)
308-30607	HIS-3-6/2	6.0	2.0	0.7	5	Green-Yellow (GNYE)
308-30900	HIS-3-9/3	9.0	3.0	0.8	5	Black (BK)
308-30902	HIS-3-9/3	9.0	3.0	0.8	5	Red (RD)
308-30903	HIS-3-9/3	9.0	3.0	0.8	5	Transparent (CL)
308-30906	HIS-3-9/3	9.0	3.0	0.8	5	Blue (BU)
308-30907	HIS-3-9/3	9.0	3.0	0.8	5	Green-Yellow (GNYE)
308-31200	HIS-3-12/4	12.0	4.0	0.85	5	Black (BK)
308-31202	HIS-3-12/4	12.0	4.0	0.85	5	Red (RD)
308-31203	HIS-3-12/4	12.0	4.0	0.85	5	Transparent (CL)
308-31206	HIS-3-12/4	12.0	4.0	0.85	5	Blue (BU)
308-31207	HIS-3-12/4	12.0	4.0	0.85	5	Green-Yellow (GNYE)
308-31800	HIS-3-18/6	18.0	6.0	1.0	4	Black (BK)
308-31802	HIS-3-18/6	18.0	6.0	1.0	4	Red (RD)
308-31803	HIS-3-18/6	18.0	6.0	1.0	4	Transparent (CL)
308-31806	HIS-3-18/6	18.0	6.0	1.0	4	Blue (BU)
308-31807	HIS-3-18/6	18.0	6.0	1.0	4	Green-Yellow (GNYE)
308-32400	HIS-3-24/8	24.0	8.0	1.2	3	Black (BK)
308-32402	HIS-3-24/8	24.0	8.0	1.2	3	Red (RD)
308-32403	HIS-3-24/8	24.0	8.0	1.2	3	Transparent (CL)
308-32406	HIS-3-24/8	24.0	8.0	1.2	3	Blue (BU)
308-32407	HIS-3-24/8	24.0	8.0	1.2	3	Green-Yellow (GNYE)

All Dimensions in mm. Subject to technical changes.

HIS-A

Technical Table

Article-No.	Type	Supplied Ø D	Recov. Ø (D)	Wall (WT) nom.	Pack Cont. m	Colour
308-10300	HIS-A-3/1	3.0	1.0	1.0	10	Black (BK)
308-10600	HIS-A-6/2	6.0	2.0	1.2	5	Black (BK)
308-10900	HIS-A-9/3	9.0	3.0	1.3	5	Black (BK)
308-11200	HIS-A-12/4	12.0	4.0	1.4	5	Black (BK)
308-11800	HIS-A-18/6	18.0	6.0	2.2	4	Black (BK)
308-12400	HIS-A-24/8	24.0	8.0	2.5	3	Black (BK)

All Dimensions in mm. Subject to technical changes.