

Kable Kontrol® Heavy Wall Heat Shrink Tubing 3:1 Ratio - Polyolefin
Technical Specifications

Part Number	As Supplied (mm)	After Recovery (mm)			
	Min Inside Diameter	Max Inside Diameter	Outer Layer Wall Thickness	Adhesive Wall Thickness	Total Wall Thickness
HSHW31-7-4-BK	8	2	1.55±0.35	0.45±0.20	2.00±0.35
HSHW31-10-4-BK	10	3	2.00±0.35	0.45±0.20	2.45±0.35
HSHW31-20-4-BK	20	6	2.00±0.35	0.60±0.20	2.90±0.35
HSHW31-28-4-BK	28	9	2.30±0.35	0.70±0.20	3.00±0.40
HSHW31-33-4-BK	33	10.2	2.80±0.35	0.70±0.20	3.60±0.40
HSHW31-38-4-BK	38	12	3.10±0.35	0.70±0.20	3.85±0.50
HSHW31-43-4-BK	43	12	3.50±0.35	0.70±0.20	4.20±0.50
HSHW31-51-4-BK	51	16	3.70±0.35	0.70±0.20	4.40±0.50
HSHW31-70-4-BK	70	21	3.70±0.35	0.70±0.20	4.40±0.50
HSHW31-85-4-BK	85	22	3.70±0.35	0.70±0.20	4.40±0.50
HSHW31-100-4-BK	105	30	3.85±0.40	0.70±0.20	4.50±0.50
HSHW31-115-4-BK	115	34	3.85±0.40	0.70±0.20	4.50±0.50
HSHW31-130-4-BK	130	36	3.85±0.40	0.70±0.20	4.50±0.50

Property	Specification Requirement	Test Method	Typical Value
Tensile strength (Room temp.)	Min. 10.4 MPa	ASTM D2671	Pass
Elongation at break (Room temp.)	Min. 200%	ASTM D2671	Pass
Tensile strength after aging (158°C 168 hrs)	Min. 7.3 MPa	UL224	Pass
Elongation after aging (158°C 168 hrs)	Min. 100%	UL224	Pass
Longitudinal shrinkage	Max. ±10%	UL224	Pass
Volume resistivity	Min. $10^4 \Omega \cdot \text{cm}$	IEC 60093	Pass
Dielectric strength	Min. 15 kV/mm	IEC 60093	Pass
Water absorption	-	ASTM D570	≤0.2%
Vicat softening point	-	ASTM E28	95±5°C
Peel strength (PE)	-	ASTM D1000	120N/25mm
Peel strength (Al)	-	ASTM D1000	80N/25mm