

WRSZT Heat Shrink Breakout



- Manufactured from cross-linked polyolefin.
- Provide sealing protection and strain relief over multi-core cable crutch, including 2-, 3-, 4-, and 5-core breakout.
- Coated with adhesive on the body and the fingers to form a watertight seal.
- Flame-retardant breakouts are available upon customer request.
- Meeting with varieties of configuration requirements.
- Shrink temperature: start at 90°C, and fully recovered at 130°C.

Technical Data

Property	Test Method	Standard Value		
		Insulated Breakout	Oil Resistant Breakout	Semi-conductive Breakout
Tensile Strength	ASTM-D-638	≥12MPa	≥12MPa	≥12MPa
Elongation at Break (120°C,168 hrs)	ASTM-D-638	≥300%	≥300%	≥300%
Tensile Strength after Aging (120°C,168 hrs)	ASTM-D-638	≥10MPa	≥10MPa	≥10MPa
Elongation at Break after Aging	ASTM-D-638	≥230%	≥230%	≥230%
Tensile Strength Variation after Dipping	ASTM-D-638	-	≤20%	-
Elongation at Break after Dipping	ASTM-D-638	-	≥230%	-
Dielectric Strength	IEC 60243	≥15kV/mm	≥15kV/mm	-
Water Absorption	ISO 62	≤0.1%	≤0.1%	≤0.1%
Heat Shock	160°C, 4h	No Crack	No Crack	No Crack
Hardness(Shore A)	ISO 868	≥80	≥80	≥80
Volume Resistivity	IEC 60093	≥1×10 ¹³ Ω·cm	≥1×10 ¹³ Ω·cm	≤1×10 ³ Ω·cm
Brittle Temperature	ISO 974	-40°C	-40°C	-40°C

Selection Table

Product No.	Body Diameter		Finger Diameter		Full Length (±5mm)	Finger Length (±5mm)	
	As Supplied (Min) /mm	After Recovered (Max) /mm	As Supplied (Min) /mm	After Recovered (Max) /mm			
2-cores	WRSZT2-24/14(0#)	24	14	12	5	140	55
	WRSZT2-38/18(1#)	38	18	20	7	145	65
	WRSZT2-45/22(2#)	45	22	25	10	145	60
	WRSZT2-60/25(3#)	60	25	35	11	140	55
	WRSZT2-70/25(4#)	70	25	40	11	140	60
3-cores	WRSZT3-24/17(-2#)	24	17	11	5	140	50
	WRSZT3-48/22(-1#)	48	22	18	7	165	55
	WRSZT3-58/28(0#)	58	28	25	8	180	55
	WRSZT3-68/37(1#)*☆	68	37	30	13	210	70
	WRSZT3-87/43(2#)*☆	87	43	39	16	220	75
	WRSZT3-106/53(3#)*☆	106	53	42	19	235	85
	WRSZT3-125/65(4#)*☆	125	65	58	25	245	95
	WRSZT3-140/65(5#)	140	65	65	25	245	90
4-cores	WRSZT4-38/19(0#)	38	19	10	5	125	45
	WRSZT4-50/25(1#)*☆	50	25	16	7	135	45
	WRSZT4-70/32(2#)*☆	70	32	23	10	185	65
	WRSZT4-82/46(3#)*☆	82	46	30	13	210	75
	WRSZT4-90/46(4#)*☆	90	46	35	13	210	75
	WRSZT4-109/54(5#)	109	54	42	18	240	65
5-cores	WRSZT5-42/21(0#)	42	21	11	5	130	55
	WRSZT5-57/30(1#)	57	30	15	7	170	60
	WRSZT5-70/38(2#)	70	38	23	9	170	55
	WRSZT5-90/53(3#)	90	53	30	13	180	60
	WRSZT5-120/48(4#)	120	48	39	14	205	80

- Remark: 1. * means 3-core semi-conductive breakouts are available upon custom request.
 2. ☆ means 3-core or 4-core oil resistant breakouts are available upon custom request.
 3. The breakout coated with hot-melt adhesive comes in two forms: flat adhesive and spiral adhesive, which can meet different customer needs.