

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%
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
Heat Shock	160°C, 4h	No Crack	No Crack	No Crack
Hardness(Shore A)	ISO 868	≥80	≥80	≥80

Selection Table

Cores	Spec.	As Supplied (mm)			After Recovered	
		Body Diameter(D) Min	Finger Diameter(d) Min	Full Length (L)(± 5)	Body Diameter(D) Max	Finger Diameter(d) Max
2-cores Breakout	WRSZT2-24/14(0#)	24	12	140	14	5
	WRSZT2-38/18(1#)	38	20	145	18	7
	WRSZT2-45/22(2#)	45	25	145	22	10
	WRSZT2-60/25(3#)	60	35	140	25	11
	WRSZT2-70/25(4#)	70	40	140	25	11
3-cores Breakout	WRSZT3-24/17(-2#)	24	11	140	17	5
	WRSZT3-48/22(-1#)	48	18	165	22	7
	WRSZT3-58/28(0#)	58	25	180	28	8
	WRSZT3-68/37(1#)*☆	68	30	210	37	13
	WRSZT3-87/43(2#)*☆	87	39	220	43	16
	WRSZT3-106/53(3#)*☆	106	42	235	53	19
	WRSZT3-125/65(4#)*☆	125	58	245	65	25
	WRSZT3-140/65(5#)*☆	140	65	245	65	25
4-cores Breakout	WRSZT4-38/19(0#)	38	10	125	19	5
	WRSZT4-50/25(1#)☆	50	16	135	25	7
	WRSZT4-70/32(2#)☆	70	23	185	32	10
	WRSZT4-82/46(3#)☆	82	30	210	46	13
	WRSZT4-90/46(4#)☆	90	35	210	46	13
	WRSZT4-109/54(5#)	109	42	240	54	18
5-cores Breakout	WRSZT5-42/21(0#)	42	11	130	21	5
	WRSZT5-57/30(1#)	57	15	170	30	7
	WRSZT5-70/38(2#)	70	23	170	38	9
	WRSZT5-90/53(3#)	90	30	180	53	13
	WRSZT5-120/48(4#)	120	39	205	48	14

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.