



J. M. Engineering Co.

A Complete Process Control automation

Power Cable Accessories

Heat Shrink Sleeve



WRSZT(Heat Shrink Breakout)



Description

Made of cross linked polyolefin, inner coated with adhesive at the ends
Provide sealing protection over multi-core cable crutch, including 2-, 3-, 4-, 5-cores breakout
Meeting with varieties of configuration requirements
Continuous operation temperature: -45°C to 105°C
Shrink temperature: start at 110°C, and fully recovered at 135°C

Technical Data

Property	Test Method	Standard Value		
		Insulated Breakout	Oil Resistant Breakout	Conductive Breakout
Operation Temperature	IEC 216	-45°C to 105°C	-45°C to 105°C	-45°C to 105°C
Tensile Strength	ASTM-D-2671	≥12MPa	≥11MPa	≥12MPa
Elongation at Break (120°C, 168 hrs)	ASTM-D-2671	≥300%	≥300%	≥300%
Tensile Strength after Aging (120°C, 168 hrs)	ASTM-D-2671	≥10MPa	≥9MPa	≥10MPa
Elongation at Break after Aging	ASTM-D-2671	≥230%	≥230%	≥230%
Tensile Strength after Dipping	ASTM-D-2671	-	≥10MPa	-
Elongation at Break after Dipping	ASTM-D-2671	-	≥230%	-
Dielectric Strength	IEC 60243	≥20kV/mm	≥20kV/mm	-
Water Absorption	ISO 62	≤0.5%	≤0.5%	≤0.5%
Volume Resistivity	IEC 60093	≥10 ¹⁴ Ω.cm	≥10 ¹⁴ Ω.cm	10 ² ~10 ⁴ Ω.cm

Selection Table

Product No.		Base Diameter		Finger Diameter		Full Length (±10%)/mm	Finger Length (±10%)/mm
		As Supplied (Min) /mm	After Recovered(Max) /mm	As Supplied(Min) /mm	After Recovered (Max) /mm		
2 cores	WRSZT2-24/12 (0#)	24	12	12	5	130	55
	WRSZT2-38/16 (1#)	38	16	20	7	140	60
	WRSZT2-48/18 (2#)	48	18	25	9	145	60
	WRSZT2-60/24 (3#)	60	24	35	11	135	55
	WRSZT2-72/25 (4#)	72	25	40	12	140	60
3 cores	WRSZT3-24/16 (-2#)	24	16	11	5	140	50
	WRSZT3-48/22 (-1#)	48	22	18	7	170	55
	WRSZT3-60/28 (0#)	60	28	25	8	175	55
	WRSZT3-70/36 (1#) *☆	70	36	30	13	210	55
	WRSZT3-85/45 (2#) *☆	85	45	40	16	225	60
	WRSZT3-110/53 (3#) *☆	110	53	42	19	250	85
	WRSZT3-125/63 (4#) *☆	125	63	58	25	245	95
4 cores	WRSZT4-140/63 (5#)	140	63	65	25	245	90
	WRSZT4-38/18 (0#)	38	18	10	5	130	45
	WRSZT4-50/24 (1#) ☆	50	24	16	7	135	45
	WRSZT4-70/32 (2#) ☆	70	32	23	9	180	65
	WRSZT4-80/44 (3#) ☆	80	44	30	13	210	75
	WRSZT4-90/44 (4#) ☆	90	44	35	13	210	75
	WRSZT4-110/53 (5#)	110	53	40	13	210	75
5 cores	WRSZT4-110/51 (5# lengthen)	110	51	40	17	225	55
	WRSZT5-42/21 (0#)	42	21	12	5	155	55
	WRSZT5-57/29 (1#)	57	29	16	7	170	60
	WRSZT5-70/38 (2#)	70	38	23	9	170	55
	WRSZT5-90/50 (3#)	90	50	30	13	180	60
	WRSZT5-120/47 (4#)	120	47	39	14	205	80

Remark:
* means conductive breakout general standing for three cores breakout
☆ means PILC breakout general standing for three cores or four cores breakout