



Y1-LVB Low Voltage Black Cable Breakout Boots

Features

- Moulded heat shrinkable cable breakout boots
- Insulation, protection and sealing
- Life expectancy of 20 years at -55 °C to 105 °C
- Spiral / handwork adhesive both available
- Flame retardant (optional)
- Operating temperature: -55~105 °C
- Shrink temperature: 120~140 °C
- Shrink ratio: ≥ 2:1
- Voltage class: 1 KV

Technical Data

	Property	Test Method	Values
Physical	Tensile strength	ASTM D2671	≥12 MPa
	Breakdown elongation	ASTM D2671	≥400%
	Tensile strength	ASTM D2671	≥10 MPa
	Breakdown elongation	ASTM D2671	≥300%
	Water absorption	ASTM D570	≤0.5%
	Density	ASTM D2671	1.1~1.2
Aging (130°C/168hrs)	Thermal endurance	IEC 216	-55~105°C
	Low temperature flexibility(-55°C/4hrs)	ASTM D2671	No cracking
	Heat shock (200°C/4hrs)	ASTM D2671	No drop, No flow
Electrical	Volume resistivity	ASTM D2671	≥10 ¹⁴ Ω.cm
	Dielectric strength	ASTM D2671	≥18 kV/mm

Typical application

- Ideal for energy supply infrastructure, chemical factories, oil refineries, metallurgy, harbor or other locations where safety and reliability of energy supplies are vital for daily operations.

Ordering

- Standard color : Black
- Standard packaging by pieces
- Please provide specification, quantity when ordering

Cross reference

- Raychem/ Tyco : 302K/402W/502K

Dimensions

Reference	supplied (mm)		After recovered (mm)		Length ± 20% (mm)		Thickness Nom. (after recovered)		Size for
UPM Y1-LVB	Big end	Leg	Big end	Leg	Total length	Leg length	Big end	Leg	conductor (mm²)
Spiral adhesive									
Y1-2/1s	30	12	14	4.5	93	23	2.6	2.2	4-25
Y1-3/1s	38	16	15	4.5	110	35	2.1	2.1	4-35
Y1-3/2s	58	25	25	8.0	165	50	3.0	2.5	50-150
Y1-3/3s	80	38	35	11.0	185	55	3.5	3.5	
Y1-3/4s	95	44	30	13.0	205	45	3.5	2.5	185-300
Y1-3/5s	110	50	46	17.5	260	65	4.0	4.0	
Y1-3/6s	125	57	55	20.0	260	75	4.0	4.0	
Y1-3/7s	170	77	75	28.0	280	80	4.0	4.0	
Y1-4/1s	40	15	14	3.5	105	25	2.2	2.0	4-35
Y1-4/2s	55	21	20	5.0	150	40	3.1	2.6	35-70
Y1-4/3s	65	26	26	7.0	175	45	3.3	2.9	70-150
Y1-4/4s	100	47	38	12.0	198	58	4.0	3.0	185-300
Y1-4/5s	160	70	64	19.0	260	75	4.0	4.0	
Handwork adhesive									
Y1-2/0h	21	11	13	4	110	40	2.8	2.2	10-16
Y1-2/1h	32	15	21	6	110	40	2.8	2.2	25-50
Y1-2/2h	45	22	26	10	130	49	3.0	2.7	70-120
Y1-2/3h	52	30	40	16	130	49	3.2	2.8	150-240
Y1-3/00h	37	14	22	6	130	53	2.4	2.2	4-6
Y1-3/0h	50	23	29	9	170	66	3.2	2.8	10-16
Y1-3/1h	75	32	38	12	190	73	3.2	2.8	25-50
Y1-3/2h	84	37	43	15	195	73	3.2	2.8	70-120
Y1-3/3h	100	47	55	16	195	75	3.5	3.5	150-240
Y1-3/4h	129	60	75	28	205	80	3.5	3.5	300-400
Y1-4/0h	34	10	19	5	150	58	2.8	2.0	10-16
Y1-4/1h	45	14	26	8	150	56	3.0	2.5	25-50
Y1-4/2h	64	24	33	9	180	66	3.0	2.5	70-120
Y1-4/3h	78	31	39	12	195	73	3.0	2.5	150-240
Y1-4/4h	91	30	45	14	190	74	3.0	3.0	300-400
Y1-5/0h	37	11	24	5	130	53	3.0	2.2	10-16
Y1-5/1h	51	14	28	8	150	60	3.0	2.2	25-50
Y1-5/2h	76	23	36	9	170	76	3.0	2.2	70-120
Y1-5/3h	91	30	46	13	180	70	3.2	2.5	150-240



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