

MOLDED CABLE PARTS

Y1 Heat Shrink Breakout Boots for Multi Core Cable

Molded two three four and five leg boots with adhesive on the big end and every leg for 1 kV to 36 kV cable



Voltage Range	1 kV to 36 kV
Operating Temperature	-55 to 105 °C
Leg Configurations	2 3 4 and 5 leg
Adhesive	Applied on big end and all legs
Standard Colour	Black
Cross Reference	TE 302K 402W 502K

Introduction

Molded heat shrinkable breakout boots.Adhesive applied on big end and legs.Sealing and insulation protection for branching of multi-core cables.

Features

- Operating temperature: -55 to 105°C
- Voltage class: 1kV ~ 36kV
- Insulated, sealed and waterproof
- Standard Color: Black
- Equivalent to TE 302K, 402W, 502K

Technical Data

Property	Test Method	Requirement	
Tensile Strength	ASTM D2671	≥12 MPa	
Ultimate Elongation	ASTM D2671	≥300%	Product diagram
Heat Aging (136°C/168h) Tensile Strength Ultimate Elongation	ASTM D2671	≥10 MPa ≥270%	
Water absorption (23°C/24h)	ASTM D2671	≤0.5%	
Low-temperature flexibility (-40°C/4h)	ASTM D2671	No cracking	
Heat shock (200°C/4h)	ASTM D2671	No dripping or flowing	
Dielectric strength	ASTM D2671	≥15 kV/mm	
Volume resistivity	ASTM D2671	≥1.0×10 ¹³ Ω·cm	
Note: Use standard samples for testing			

Dimensions

Size	As supplied(mm) Inner diameter Big end (min.)	Inner diameter Leg (min.)	Length (±20%)	After recovered (mm) Inner diameter Big end (max.)	Inner diameter Leg (max.)	Size for conductor (mm ²)
Y1-2/0h	21	11	120	13	5	4-6, 10-16

Size	As supplied(mm) Inner diameter Big end (min.)	Inner diameter Leg (min.)	Length (±20%)	After recovered (mm) Inner diameter Big end (max.)	Inner diameter Leg (max.)	Size for conductor (mm ²)
Y1-2/1h	30	15	120	20	7	25-50
Y1-2/2h	40	20	140	25	10	70-120
Y1-2/3h	60	30	150	35	11	150-240
Y1-2/4h	70	40	140	40	13	300-400, 500-630
Y1-3/00h	35	14	130	22	6	4-6, 10-16
Y1-3/0h	50	23	170	29	9	25-50
Y1-3/1h	70	28	200	38	12	70-120
Y1-3/2h	84	37	200	46	15	150-240
Y1-3/3h	100	47	200	55	19	300-400
Y1-3/4h	125	58	200	70	28	500-630
Y1-4/0h	34	10	150	18	5	4-6, 10-16
Y1-4/1h	45	15	150	25	7	25-50
Y1-4/2h	60	22	180	32	9	70-120
Y1-4/3h	75	30	180	40	12	150-240
Y1-4/4h	90	30	190	45	14	300-400
Y1-5/0h	37	11	130	24	5	4-6, 10-16
Y1-5/1h	50	14	150	28	8	25-50
Y1-5/2h	75	23	170	36	9	70-120
Y1-5/3h	90	30	180	46	13	150-240
Y1-5/4h	105	36	200	50	14	300-400
Y1-6/1h	50	12	120	28	5	/
Y1-6/2h	60	16	120	30	7	/
Size	As supplied(mm)			After recovered (mm)		
	Inner diameter Big end (min.)	Inner diameter Big/Small Leg (min.)	Length (±20%)	Inner diameter Big end (max.)	Inner diameter Big/Small Leg (max.)	
Y1-6/1hs	83	31/19	220	40	11/8	
Y1-6/2hs	133	52/30	220	53	16/11	

Enquiries • enquiry@upolymer.com • WhatsApp +86 159 4096 9469 • Dalian United Polymer Material Co., Ltd., Shihe Industrial Park, Puwan New District, Dalian Liaoning 116101 China