

Heat Shrinkable Tubing

MRA3

Application

- Used for medium voltage up to 35kV.
- Protection against moisture and pressure.
- Suitable for cable termination and intermediate connecting insulation protection.

Feature

- Hot melting adhesive provides better waterproof Coating type: film coating
- Excellent corrosion resistance
- UV resistance and weathering resistance
- Halogen-free
- Superior electrical and mechanical properties
- Shrinkage ratio 3:1
- Thick wall

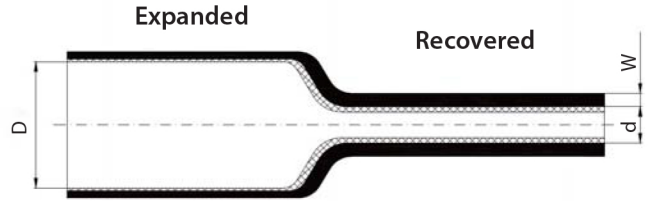
Color Standard: Black

Operating Temperature

- -40°C to +90°C

Type Test

- IEC 60684



Type	Application Diameter Range(mm)	Expanded(mm)			Recovered(mm)	
		D(min)	d(max)	W(min)		
MRA3 13/4	4.5-8	13	4	2.4		
MRA3 20/6	6.5-14	20	6	2.5		
MRA3 33/8	9-23	33	8	3.2		
MRA3 43/12	13-30	43	12	4.3		
MRA3 51/16	17-35	51	16	4.35		
MRA3 65/19	21-45	65	19	4.35		
MRA3 75/22	24-52	75	22	4.35		
MRA3 85/25	27-60	85	25	4.35		
MRA3 105/30	32-75	105	30	4.35		
MRA3 130/36	38-91	130	36	4.3		
MRA3 160/50	55-112	160	50	4.3		

Performance

Property	Test Method	Requirements
Tensile strength	IEC 60684-2	> 13MPa
Elongation at break	IEC 60684-2	> 350%
Longitudinal shrinkage	IEC 60684-2	+5% to -15%
Bending at low temperature	IEC 60684-2	-40°C No cracking
Volume resistivity	IEC 60684-2	> 10 ¹² Ω.m
Water absorption	IEC 60684-2	< 0.2%
Breakdown strength	IEC 60684-2	> 10KV/mm
Copper corrosion	IEC 60684-2	None above the allowable 8%
Heat aging		
Tensile strength	IEC 60684-2	> 10MPa
Elongation at break	IEC 60684-2	> 200%
Heat shock		
Tensile strength	IEC 60684-2	> 10MPa
Elongation at break	IEC 60684-2	> 200%
Resistance to selected fluids		
Tensile strength	IEC 60684-2	> 10MPa
Elongation at break	IEC 60684-2	> 350%
Change in weight	IEC 60684-2	< 10%