

HEAT-SHRINKABLE WRAPAROUND SLEEVE CRSM

FOR CABLE REPAIR AND JOINT OUTER REJACKETING

KEY FEATURES

- High electrical characteristics to achieve requirements for low voltage applications
- Medium wall, Cross-linked polyolefin. UV stabilized and not reinforced
- Halogen-free material content, non-corrosive and non-toxic smoke in event of fire & free of lead and aluminium
- Available inline coated with hot melt adhesive or uncoated
- Wraparound sleeve used for repair of damaged cable jackets insulation and for rejacketing of low voltage joints
- Compliant to RoHS and REACH regulations
- Color black, >3 : 1 shrink ratio
- Unlimited shelf-life

TE Connectivity's (TE) Raychem CRSM heat-shrinkable wraparounds are a fast and reliable permanent cable repair and sealing system. The cable repair sleeve is quickly fitted in place by means of its rail and channel closure. A moisture-proof, insulating and tight-fitting repair is then obtained in one step by heating, which makes the sleeve diameter shrink and the inside sealant coating melt, flow and fill the damaged cable area.

The CRSM wraparound sleeves will fit a wide range of different cable diameters. The sealant exhibits excellent bonding and sealing characteristics to all substrates commonly used in the various cable and oversheath constructions, such as polymeric, rubber, lead and aluminium. CRSM wraparounds are made of an abrasion resistant semi-rigid material and are a result of our extensive capability in materials technology.

CRSM are used in low voltage applications for insulation and sealing against moisture of cable joints and in low and medium voltage applications for sealing and mechanical protection, for outer rejacketing and for cable repair.

The material content of the CRSM tubings is halogen-free and stabilized against UV irradiation. CRSM tubings have proven their long-term reliability in harsh climatic conditions. CRSM tubings have an unlimited shelf life when stored under normal conditions.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.



TESTING		
Physical Characteristic	**Test Method**	**Material Requirements**
Tensile Strength	ISO 37	14 MPa min
Ultimate Elongation	ISO 37	300% min
Hardness	ISO 868	≥ 50 shore D
Accelerated ageing **7 days at 150°C ± 2°C** **Tensile Strength** **Ultimate Elongation**	 ISO 37 ISO 37	 12 MPa min 300% min
Low Temperature Flexibility	ASTM D 2671 Procedure C	No cracking at 4 hours at -30°C ± 3°C
Dieclectric Strength	IEC 60243 part 1 and 2	≥ 10 kV/mm min.
Volume Resistivity	IEC 60093	1 x 10^{10} Ω cm min
Water Absorption	ISO 62 method 1	≤ 0.5 % max after 14 days at 23°C ± 2°C
Corrosion	ASTM D2671 Part A	No corrosion after 16h at 150°C
Weathering	The material from which CRSM is manufactured contains carbon black (≥ 2,5 %) to protect it from ultra-violet light	
Application characteristics		
Operating temperature range	- 30°C up to + 100°C	
Shrink ratio	> 3 : 1	
Longitudinal shrinkage free recovered	≤ - 10 %	

PRODUCT SELECTION INFORMATION - DIMENSIONS ARE IN mm						
Description	**Application Range**		**Diameter**		**Width**	
	min	**max**	**Expanded min**	**Recovered max**	**Expanded nom**	**Recoverd min**
CRSM 34/10	11	21	35	9	0.3	2.4
CRSM 53/13	17	32	54	15	0.3	2
CRSM 84/20	24	50	86	21	0.3	2
CRSM 107/29	31	65	108	27	0.3	2
CRSM 143/36	33	86	144	28	0.3	1.8
CRSM 198/55	56	120	203	50	0.3	2.1
CRSM 250/98	103	150	257	91	0.4	1.7

All sizes are available in the standard lengths 1000 mm, 250, 500, 750, 1200, 1500 mm. All lengths subject to standard cutting tolerances.
TE's Raychem wraparound CRSM are available coated with an inner sealant wall.

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