



Energy Division

# MBSM

## Wraparound Jacket Repair Sleeve

Raychem Heat Shrink Products offer a superior alternative to hand-taped layers or force-fit rubber parts. It's an option that lets the installer duplicate the cable system's performance. During installation, the heat shrink technology rebuilds the cable jacket with crosslinked materials specifically formulated to match cable performance.

- The MBSM wraparound product line offers a fast, versatile and permanent repair for damaged cable jackets.
- MBSM repair sleeves protect cables in mechanically abusive environments; re-jacket premolded splices; repair and re-jacket LC-shielded and moisture impervious cables; and provide strain relief.
- Available in five diameters with 5:1 shrink ratios.
- For use on standard poly- or elastomeric-insulated/jacketed cables, which may include aluminum or steel armoring and PILC.
- MBSM provides a moisture-vapor transmission (MVT) barrier for repairing and re-jacketing LC-shield and moisture impervious cables. **These sleeves do not provide electrical insulation.**
- The heat-activated sealant system is designed to provide positive protection from external moisture.
- Since MBSM is heat-shrinkable, several cable sizes and types can be repaired by any one size of MBSM wraparound. This one-step installation method ensures a tight, moisture-proof seal which is reliable and repeatable.

High abrasion resistance, flexibility and sealant are combined in a tough modified polyolefin material from which MBSM wraparounds are made. It can be quickly positioned in place by means of its rail and channel closure. Heating above 125°C causes the repair sleeve to shrink in diameter to fit the cable. At the same time, the adhesive liner melts and seals against fluids and dirt, thus completing the job.

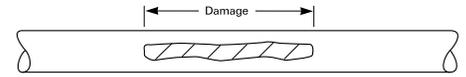
 **Tyco Electronics**

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**Selection Information: Dimensions in inches (millimeters)**

Catalog Number	Cable Use Range (Min.-Max.)	Sleeve Length*	Standard Pkg (Kits/Box)
MBSM-43/8-1200	0.35 - 1.50 (9 - 38)	48 (1219)	6
MBSM-75/15-1200	0.65 - 2.65 (17 - 67)	48 (1219)	6
MBSM-125/30-1200	1.30 - 4.30 (33 - 109)	48 (1219)	6
MBSM-160/42-1200	1.80 - 5.70 (46 - 145)	48 (1219)	6
MBSM-200/50-1200	2.15 - 7.10 (55 - 180)	48 (1219)	6

Total	
Damage	Seal Length
Up to 3" (<76)	3" (76)
3 - 12" (76-305)	4" (102)
12 - 24" (305-610)	6" (152)
>24" (>610)	8" (203)



*Cut Sleeve Length = Damage Length + Total Seal Length*

**Ordering Information**

1. Select appropriate catalog number based on the cable use range.
2. Kits contain a wraparound sleeve, stainless steel channel closure, and redundant sealant strips.
- \* 3. Sleeve may be field-cut for shorter requirements.
4. Length tolerance is ± 2%.
5. Related test report: EDR-5225