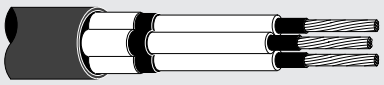
Cold Shrink - Silicone Rubber

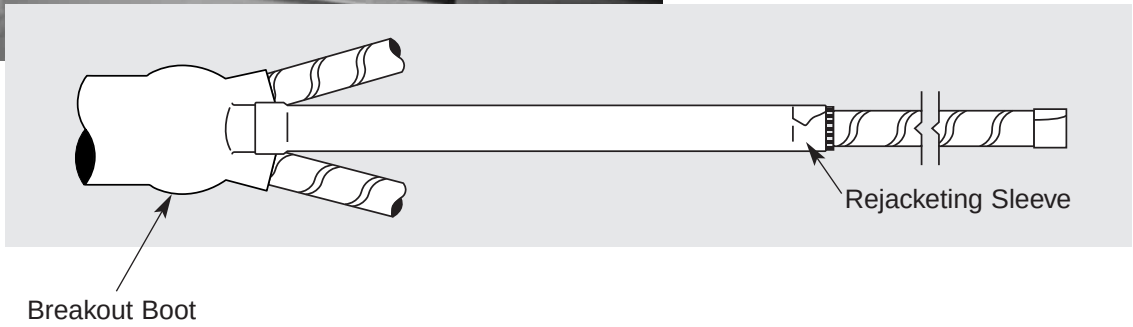
8560 Series 3/C Cable Breakout Boots
RJS Series 3/C Phase Rejacketing System

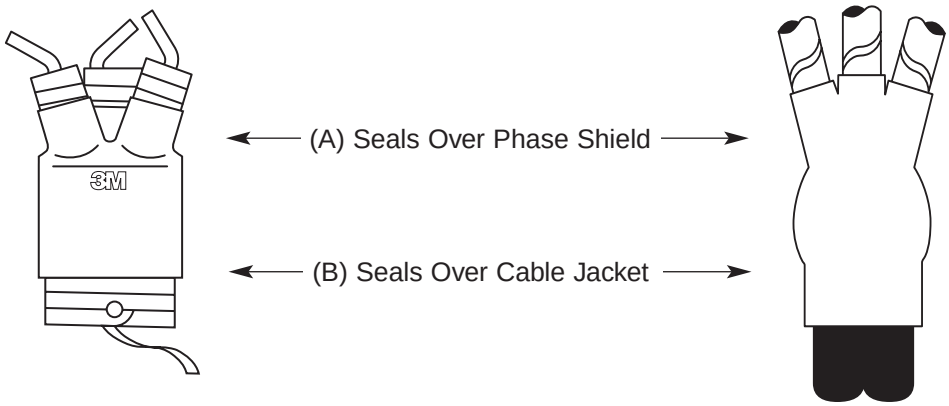


3 Conductor Cable

3M™ Cold Shrink Silicone Rubber 8560 Series 3/C Cable Breakout Boots and 3M™ Silicone Rubber RJS Series 3/C Phase Rejacketing System are designed to be used in conjunction with three 3M terminations, to seal the breakout area and rejacket the phases on three conductor cable.

Innovations in molded silicone rubber technology, now make possible a complete three conductor all silicone termination. The termination itself can be made with 3M™ Cold Shrink QT-III Indoor and Outdoor Silicone rubber termination. The phase legs (cores) of the three conductor cable needs to be protected from exposure to moisture, corrosion, ozone, UV radiation, and other physical conditions. These legs can be rejacketed with 3M™ RJS Silicone Phase Rejacketing System. For those applications not inside of a sealed cabinet, the area where the three cables break out from the overall jacket need to be sealed. This area can be sealed with the 3M™ Silicone Cold Shrink Cable Breakout Boots. The result is an all silicone three conductor termination that will stand the test of time.





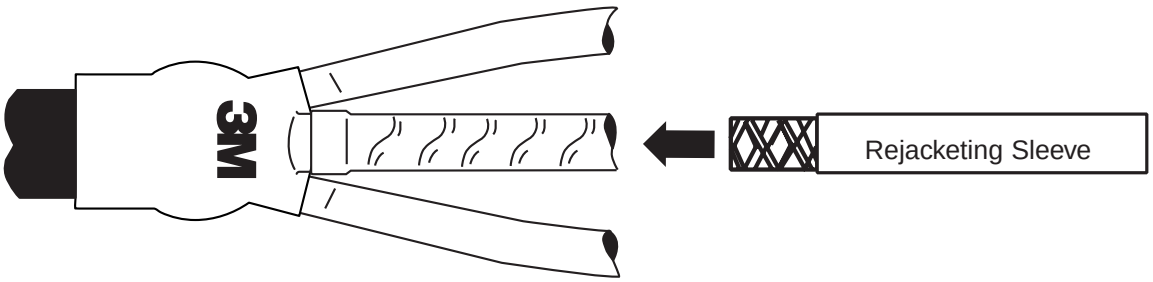
3M™ Cold Shrink Silicone Rubber 8560 Series 3/C Cable Breakout Boots

3M 8561 through 8565 Silicone Cold Shrink Cable Breakout Boots are a series of open-ended molded rubber sealing assemblies that are factory expanded and mounted on removable inner-supporting plastic cores. They are supplied for field installation in a pre-stretched condition. The supporting cores are removed after the seal has been positioned for installation around the breakout area of a three conductor cable. Core removal allows the silicone rubber boot to shrink down to a predetermined diameter; creating an environmental enclosure for individual cable phase legs and the overall cable jacket.

8560 Series Breakout Boots are designed to protect the phase leg breakout of 3/C medium voltage power cable from exposure to moisture, contamination, corrosion, ozone, ultra-violet radiation, physical contact and other hazards associated with 3/C termination operating environments. 8560 Series Breakout Boots can be used in conjunction with 3M Silicone Rubber Cold Shrink Rejacketing Sleeves for 3/C shielded power cable terminating applications.

Features and Benefits:

- Versatile; installs quickly and accommodates a wide range of cable sizes.
- Simple hand application; no need for special installation tools.
- No torches or heat required.
- No specific user skills or craftsmanship required.
- Excellent resistance to ozone and ultra-violet radiation
- Good solvent resistance; compatible with industry – approved cable cleaners.
- Excellent thermal stability.
- High dry and wet insulation resistance.
- Highly flexible; accommodates all power cable supplier bend radius recommendations.
- Seals tight; retains resiliency and pressure even after prolonged years of aging and exposure.
- Compatible with all 3M Cold Shrink Termination Products and RJS Series Phase Rejacketing Sleeves.



3M™ 3/C Phase Rejacketing System

3M RJS Series Rejacketing Sleeves are designed so that 3M Cold Shrink QTII & QTIII Silicone Rubber Terminations can be used on 3/C (three conductor) medium voltage shielded power cables of tape shield, wire shield, armored and non-armored configurations. RJS Rejacketing Assemblies are a series of silicone rubber insulators incorporating an inner-expandable polyester braid designed to reduce sliding friction and deliver the insulator onto the cable. Rejacketing sleeves are designed to protect the phase legs (core) of 3/C shielded power cable from exposure to moisture, corrosion, ozone, ultra-violet radiation, physical contact and other hazards that are associated with termination operating environments. Rejacketing sleeves are designed to be used in conjunction with 3M Cold Shrink Breakout Boots and Silicone Rubber Terminations.

Features and Benefits:

- Versatile; installs quickly and accommodates a wide range of cable sizes.
- Simple hand application; no need for special installation tools.
- No torches or heat required.
- No specific user skills or craftsmanship required.
- Excellent resistance to ozone and ultra-violet radiation
- Good solvent resistance; compatible with industry – approved cable cleaners.
- Excellent thermal stability.
- High dry and wet insulation resistance.
- Excellent shelf life.
- Easy to adjust sleeve length; adapts to variable equipment connection and mounting requirements.
- Compatible with 3M Cold Shrink PST Breakout Boots and Termination Products.

3M™ Cold Shrink Silicone Rubber 8560 Series–3/C Cable Breakout Boots

Product Number	Cable Phase Shield Diameter Range [A]	Cable Outer Jacket Diameter Range [B]
8561	0.48 – 0.72" (12,2 – 18,3 mm)	1.17 – 1.94" (29,7 – 49,3 mm)
8561	0.61 – 0.95" (15,5 – 24,2 mm)	1.46 – 2.67" (37,1 – 67,8 mm)
8563	0.82 – 1.18" (20,8 – 30,0 mm)	1.92 – 3.10" (48,8 – 78,7 mm)
8564	1.02 – 1.63" (26,0 – 41,4 mm)	2.52 – 4.32" (64,0 – 109,8 mm)
8565	1.09 – 1.94" (27,7 – 49,3 mm)	2.60 – 4.70" (66,1 – 119,4 mm)

Rejacketing Sleeve Selection Guide — Based on Diameter Range and Cable Conductor Size

Product Number	Metallic Shield Diameter Range	3.3 KV (mm²) IEC	3.3 KV (mm²) JIS	5.0 KV (AWG) AEIC	6.6 KV (mm²) IEC	6.6 KV (mm²) JIS	8.0 KV (AWG) AEIC
RJS – 1	0.43 – 0.60" 10,9 – 15,2 mm	16 – 35	8 – 22	8 – 2	16 – 25	8 – 10	6 – 4
RJS – 2	0.60 – 0.80" 15,2 – 20,3 mm	50 – 95	38-60	1 – 3/0	35 – 70	14 – 38	2 – 2/0
RJS – 3	0.80 – 1.02" 20,3 – 26,0 mm	120 – 185	100 – 150	4/0 – 400	95 – 150	60 – 100	3/0 – 350
RJS – 4	1.02 – 1.28" 25,9 – 32,4 mm	240 – 300	200 – 250	500 – 750	185 – 300	150 – 250	400 – 600
RJS – 5	1.28 – 1.62" 32,5 – 41,1 mm	—	300 – 325	800 – 1000	—	300 – 325	750 – 1000

Product Number	Metallic Shield Diameter Range	10 KV (mm²) IEC	15 KV (AWG) AEIC	20 KV (mm²) IEC	25 KV (AWG) AEIC	30 KV (mm²) IEC	35 KV (AWG) AEIC
RJS – 1	0.43 – 0.60" 10,9 — 15,2 mm	—	—	—	—	—	—
RJS – 2	0.60 – 0.80" 15,2 – 20,3 mm	10 – 50	2 – 1	—	—	—	—
RJS – 3	0.80 – 1.20" 20,3 – 26,0 mm	70 – 150	1/0 – 4/0	25 – 70	2 – 1/0		
RJS – 4	1.02 – 1.28" 25,9 – 32,4 mm	185 – 300	250 – 450	95 – 185	2/0 – 250	35 – 70	1/0 – 3/0
RJS – 5	1.28 – 1.62" 32,5 – 41,1 mm	—	500 – 750	240 – 300	300 – 500	95 – 240	4/0 – 500

IEC = International Electrotechnical Commission
JIS=Japanese Industrial Standard
AEIC=Association of Edison Illuminating Companies

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