Raychem S200 Shield Terminators

Fast, Easy Shield Termination and Grounding to 200°C

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High-Performance, High-Temperature Cable Terminators

Heat-Shrinkable Sleeve for Fast, Reliable, Economical Cable Shield Termination and Grounding

An important extension of the Raychem SolderSleeve family, S200 shield termination devices were developed specifically to address the need for high-temperature connecting, insulating, and sealing for applications in the aerospace and defense industry.

ECONOMICAL

- One-piece design allows for a single-step, simplified installation and a low total installed cost
- Bi-alloy or thermochromic temperature indicator works as a process control aid and simplifies operator training
- Offered in various sizes and ground lead configurations

CAPABLE

- Provides a completely soldered, strain-relieved termination
- Heat-shrinkable sleeve helps provide insulation, inspectability, and strain relief
- Designed for high-temperature applications up to 200°C
- Sealing inserts helps ensure reliable, environmental protection

APPLICATIONS

- Shield termination of cables subjected to a minimum temperature rating of 150°C and maximum operating temperature of 200°C
- Protecting and sealing for BMS 13-60 PTFE wrapped cables and M27500 cables with PTFE/polyimide jackets

Wide Selection

Offered in various sizes and ground lead configurations, our S200 shield termination devices provide environmentally protected shield termination on cables with a minimum temperature rating of 150°C, and silver or nickel-plated shields. They are also available with bi-alloy or thermochromic indicators

Fast Installation and Lower Costs

Convenient to use, the one-piece design of S200 shield termination devices help ensure reliable environmental protection and greatly simplified installation for a lower total installed cost.

MATERIALS

- **Solder**: Tin 96%/Silver 4% bi-alloy solder
- **Tubing**: Heat-shrinkable modified fluoropolymer
- **Inserts**: Thermoplastic fluoropolymer

STANDARDS AND SPECIFICATIONS

- **Industry Standards**:
  SAE-AMS-DTL-23053/13 (applies to heat-shrinkable insulation sleeve only)
  SAE-AS83519 (modified for 200°C applications)
  EU RoHS/ELV compliant
- **TE Instruction Sheet**: RCPS-100-71
- **TE Qualification and Test Report**: Available on request

MECHANICAL/ENVIRONMENTAL

- **Operating Temperature**: 150°C to 200°C
- **Durability**: Heat-shrinkable sleeve adheres and seals to provide a completely soldered, strain-relieved termination

TE Components . . . TE Technology . . . TE Know-how . . .
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ORDERING INFORMATION (TC indicates that this part has a thermochromic indicator)

Without ground lead

Jacket OD (mm)	Shield (mm)	Product Description	Raychem Part Number	SAE AS83519
1.90	0.90	S200-1-00	F92583-000	
1.90	0.90	S200-1-00-TC	CN5417-000	
2.67	1.40	S200-2-00	F94898-000	
2.67	1.40	S200-2-00-TC	CN5418-000	
4.32	2.15	S200-3-00	A65903-000	
4.32	2.15	S200-3-00-TC	CN5419-000	
5.97	3.30	S200-4-00	E32454-000	
5.97	3.30	S200-4-00-TC	CN5420-000	
6.98	4.30	S200-5-00	D12074-000	
6.98	4.30	S200-5-00-TC	CN5421-000	

With pre-installed braid: Nickel-plated copper strands in accordance to AA59569F36N0031. (6 Inches)

Jacket OD (mm)	Shield (mm)	Product Description	Raychem Part Number	SAE AS83519
1.90	0.90	S200-1-01	CS5526-000	M83519/5-1
2.67	1.40	S200-2-01	D08259-000	M83519/5-2
4.32	2.15	S200-3-01	A77145-000	M83519/5-3
5.97	3.30	S200-4-01	F26506-000	M83519/5-4
6.98	4.30	S200-5-01	A18826-000	M83519/5-5

With pre-installed braid: Ni-plated copper strands per ASTM B355, Class 4. CMA = 1200. (6 Inches)

Jacket OD (mm)	Shield (mm)	Product Description	Raychem Part Number	SAE AS83519
1.90	0.90	S200-1-9020	CJ1037-000	M83519/5-11
1.90	0.90	S200-1-9020-TC	CP7589-000	M83519/5-16
2.67	1.40	S200-2-9020	CJ1039-000	M83519/5-12
2.67	1.40	S200-2-9020-TC	CP4262-000	M83519/5-17
4.32	2.15	S200-3-9020	CJ1041-000	M83519/5-13
4.32	2.15	S200-3-9020-TC	CP6063-000	M83519/5-18
5.97	3.30	S200-4-9020	CJ1042-000	M83519/5-14
5.97	3.30	S200-4-9020-TC	CP6893-000	M83519/5-19
6.98	4.30	S200-5-9020	CJ1043-000	M83519/5-15
6.98	4.30	S200-5-9020-TC	CP7313-000	M83519/5-20

With pre-installed braid: Ni-plated copper strands per ASTM B355, Class 4. CMA = 1800. (6 Inches)

Jacket OD (mm)	Shield (mm)	Product Description	Raychem Part Number	SAE AS83519
1.90	0.90	S200-1-9030	CA7639-000	
2.67	1.40	S200-2-9030	CA7640-000	
4.32	2.15	S200-3-9030	CA7641-000	
5.97	3.30	S200-4-9030	CA7642-000	
6.98	4.30	S200-5-9030	CA7643-000	
6.98	4.30	S200-5-9030-TC	CP7417-000	

With pre-installed braid: High nickel-plated copper strands per ASTM-B355 Class 7. CMA = 640. (10 Inches)

Jacket OD (mm)	Shield (mm)	Product Description	Raychem Part Number	SAE AS83519
1.90	0.90	S200-1-01-100HN	D89883-000	
2.67	1.40	S200-2-01-100HN	A87947-000	
4.30	2.15	S200-3-01-100HN	A59779-000	
5.95	3.30	S200-4-01-100HN	C69495-000	
6.90	4.30	S200-5-01-100HN	D92195-000	

With pre-installed braid: Stranded nickel-plated copper wire in accordance with SAE-AS22759/41.

Jacket OD (mm)	Shield (mm)	Product Description	Raychem Part Number	SAE AS83519
1.90	0.90	S200-1-55-22-9	EH1934-000	
2.67	1.40	S200-2-55-22-9	EH1935-000	
4.30	2.15	S200-3-55-22-9	EH1936-000	
5.95	3.30	S200-4-55-22-9	EH1938-000	
6.90	4.30	S200-5-55-22-9	EH1939-000	

With pre-installed braid: Stranded nickel-plated copper wire in accordance with SAE-AS22759/41.

Jacket OD (mm)	Shield (mm)	Product Description	Raychem Part Number	SAE AS83519
1.90	0.90	S200-1-55-20-9	EH1940-000	
2.67	1.40	S200-2-55-20-9	EH1941-000	
4.30	2.15	S200-3-55-20-9	EH1942-000	
5.95	3.30	S200-4-55-20-9	EH1943-000	
6.90	4.30	S200-5-55-20-9	EH1944-000	

With pre-installed braid: Stranded nickel-plated copper wire in accordance with SAE-AS22759/41.

Jacket OD (mm)	Shield (mm)	Product Description	Raychem Part Number	SAE AS83519
1.90	0.90	S200-1-55-18-9	EH1945-000	
2.67	1.40	S200-2-55-18-9	EH1946-000	
4.30	2.15	S200-3-55-18-9	EH1948-000	
5.95	3.30	S200-4-55-18-9	EH1949-000	
6.90	4.30	S200-5-55-18-9	EH1950-000	

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Consult TE for the latest dimensions and design specifications.

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