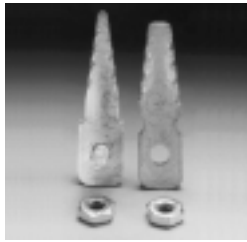


Shield Bonding Products



307

Scotchlok™ 4460 Shield Bond Connector (No Tabbing Required)



The 4460 Shield Bond Connector is designed to make a stable, low-resistance electrical connection between the shield of a communications cable and a conductor such as a strap, bar, or wire. The connector consists of four parts: lower member (base), upper member (top), and two securing nuts (lock nuts). The base teeth are set at such an angle as to permit easy insertion under the cable shield. Top and base members are made of tin-plated tempered brass, slightly curved to exert a continuous spring force on sheath and shield after clamping.



308

Scotchlok 4460-S Shield Bond Connector



The 4460-S Shield Bond Connector is designed to make a stable, low-resistance electrical connection between the shield of a communications cable and a conductor such as a strap, bar, or wire. The connector consists of five parts: lower member (base), upper member (top), two securing nuts (lock nuts) and a plastic shoe to aid connector insertion and to protect conductors. The base teeth are set at such an angle as to permit easy insertion under the cable shield. Top and base members are made of tin-plated tempered brass, slightly curved to exert a continuous spring force on sheath and shield after clamping.



309

Scotchlok 4460-D Shield Bond Connector



The 4460-D Shield Bond Connector is a downsized version of the 4460 Shield Bond Connector. Its small size makes it an excellent choice for cables of 100-pair or less. Its current-carrying capacity is equal to or better than aluminum-shielded cables of 100-pair or less and can be used on all cable with 20.3 mm (0.8") or smaller O.D.



310

Scotchlok 4460-D/FO Shield Bond Connector Assembly



The 4460-D/FO Shield Bond Connector is specifically designed to meet the bonding needs of fiber optic cables that contain metallic or fiberglass strength members. The connector is a version of the 4460-D Connector Assembly which utilizes two additional plates to capture and secure the strength members. Its current-carrying capacity is equal to or better than aluminum-shielded fiber optic cable and can be used on all cables with 20.3 mm (0.8") or smaller O.D.



311

Scotchlok 4462 Shield Bond Connector (Designed Specifically For C.A.C.S.P. Cable)



The 4462 Shield Bond Connector is designed to make a stable, low resistance electrical connection between the shield of a communications cable and a conductor such as a strap, bar, wire or braid.

Scotchlok 4462-FN Shield Bond Connector

Includes flanged nuts.

Product Referral Generator

Closures	pg. 113
Fiber Protection	pg. 236

Scotchlok™ 4462-SN Shield Bond Connector



The 4462-SN Shield Bond Connector is an improved version of the popular 4462 Shield Bond Connector, with a longer and stronger stud to easily accommodate two bond braids (with eyelets). It is specifically designed to supply greater pullout strength than the 4462 Shield Bond Connector. The nuts have been deepened, too, making them much easier to hold and tighten. The 4462-SN Shield Bond Connector is also designed for use with coated cables and has superior electrical properties for the protection of data circuits.



Scotchlok 4462-SNA

The 4462-SNA has a longer stud, deepened nuts and an insulating shoe.

Scotchlok 4463 Service Wire Shield Connector



The 4463 Service Wire Shield Connector is designed to make a stable, low resistance electrical connection between the shield of a buried service wire and the ground stud of a house terminal box or other shield connector. The 4463 can be used on service wire with an O.D. up to 11 mm (0.45").



312



313

Scotchlok 4464 Shield Bond Connector



The 4464 Shield Bond Connector is a strip of tin-plated brass, punched with mounting holes and two sets of sharp teeth. Each connector can join the shields of up to four two-pair service wires to a stud type shield connector. In addition to providing a stable, low-resistance electrical contact, the connector provides excellent strain relief and occupies a minimum of space. Each connector will accommodate up to four service wires with a shield diameter of up to 5.6 mm (0.21") or two service wires with a shield diameter up to 819 mm (0.35").



314

Scotch™ 25T Grounding Braid



This flat, tin-plated copper braid conductor is supplied for use with Scotchlok shield bond connectors. When clamped firmly, 25T Braid provides low electrical resistance connections for dependable shield bonding, and its physical strength contributes to strain relief across spliced cables, 25T Braid is 13 mm (1/2") wide, and is supplied in 7.6 m (25') rolls.

Size: 13 mm x 7.6 m (1/2" x 25')



315

Scotch 25T Grounding Braid with Eyelets



Provides low electrical resistance connections, contributes to strain relief across cables. Eyelets fit shield connector studs up to 6 mm (1/4") diameter.

Size: 13 mm x 7.6 m (1/2" x 25'), eyelets spaced 76 mm (3")

Size: 13 mm x 7.6 m (1/2" x 25'), eyelets spaced 152 mm (6")



316

25/4467 Grounding Braid Dispenser Pack



The 25/4467 Grounding Braid Dispenser Pack is a combination of our dependable grounding braid and insulation sleeve in one convenient package. Equal lengths of each can be dispensed from the 7.6 m (25') roll.

Size: Braid 13 mm x 7.6 m (1/2" x 25')

Sleeve 13 mm x 7.6 m (1/2" x 25')

25/4467 without eyelets



317

Ordering Information for Shield Bonding Products



3M

Shield Bonding Products

Product Number	Packaging kg (lbs.)/cs.	Minimum Order	UPC
4460 Shield Bond Connector (No Tabbing Required)	100/cs., 1.8 (4)	100 each [522138]	054007-30193
4460-S Shield Bond Connector	100/cs., 2.1 (4.4)	100 each [71060642]	054007-30625
4460-D Shield Bond Connector	100/cs., 2.1 (4.6)	100 each [87003528]	054007-71217
4460-D/FO Shield Bond Connector Assembly	100/cs.	100 each [87014698]	054007-92757
4462 Shield Bond Connector	100/box, 500/cs., 8.8 (19.4)	500 each	054007-17302
4462-FN Shield Bond Connector	100/box, 500/cs., 10.0 (22.1)	500 each [87001119]	054007-63990
4462-SN Shield Bond Connector	100/box, 500/cs., 11.0 (24.3)	500 each [529575]	054007-71291
4462-SNA Shield Bond Connector with Shoe	100/box, 500/cs., 10.9 (24)	500 each	054007-57157
4463 Service Wire Shield Connector	10/bag, 1000/cs., 3.90 (8.6)	1000 each	054007-17301
4464 Shield Bond Connector	20/bag, 1000/cs., 7.03 (15.5)	1000 each [522239]	054007-30280
25T Grounding Braid Size: 13 mm x 7.6 m (1/2" x 25')	1/cs., 1 (2.1)	1 roll	054007-31102
25T Grounding Braid with Eyelets Size: 13 mm x 7.6 m (1/2" x 25') Eyelets spaced 78 mm (3") Eyelets spaced 156 mm (6")	1/cs., 1.08 (2.3) 1/cs., 1.08 (2.3)	1 roll 1 roll	054007-32670 054007-32671
25/4467 Grounding Braid Dispenser Pack Size: Braid 13 mm x 7.6 mm (1/2" x 25') Sleeve 13 mm x 7.6 mm (1/2" x 25')	1/box, 5/cs., 6.7 (14.7)	5 packs	054007-30561

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