

3M™ SCOTCHLOK™ COMMUNICATION CONNECTORS

3M Scotchlok Butt Connectors

Scotchlok butt connectors employ a specially designed, wire insulation displacement contact to make a reliable electrical connection to each wire. A “live-spring” joint is made by driving the wire down into the “U” contact connector. This process displaces the wire insulation and grasps all conductors with a firm pressure, all in one motion. No stripping of wire insulation is required. Some connectors include a factory installed sealant to help protect against corrosion and provide moisture resistance. They are also available in dry versions for central office and vault applications. Available butt connectors include: UR2, UR2-D, UR, UP3, UAL, UY2, UY2-D, UY, UP2, 211, UCC, UPC, 557-TG2

UR2

The UR2 connector is gel filled for moisture resistance and is suitable for PIC cable applications, filled or unfilled. It accepts either 2 or 3 wires within wire range of 0.4-0.9 mm (26-19 AWG) and insulation outside diameter up to 2.08 mm/.082". It is made of polypropylene, is UL listed, and Cat.5 compliant.



UR2-D

The UR2-D is the dry version of the UR2 for use where moisture resistance is not needed (central office and vault) and suitable for PIC, pulp or paper cable applications.



UR

The UR connector is gel filled for moisture resistance and for PIC cable applications, filled or unfilled. It accepts 2 or 3 wires within wire range of 0.4-0.9 mm (26-19 AWG) and insulation outside diameter up to 1.52 mm/.060". It is made of polycarbonate, is UL listed, and Cat. 5 compliant.



UP3

The UP3 connector is dry for flame retardant applications. It accepts 2 or 3 wires within wire range of 0.4-0.9 mm (26-19 AWG) and insulation diameter up to 1.52 mm/.06". It is made of polycarbonate and is UL listed.



UAL

The UAL connector is gel filled for moisture resistance and for PIC cable applications, filled or unfilled. It accepts 2 or 3 wire Cu, 0.5-.09 mm (24-19 AWG) or Al, 8.8-1.2 mm (20-17 AWG) or a combination of both and insulation diameter up to 2.08 mm/.082". It is made of polycarbonate.



UY2

The UY2 connector is gel filled for moisture resistance and is suitable for PIC cable applications, filled or unfilled. It accepts 2 wires within wire range of 0.4-0.9 mm (26-19 AWG) and insulation outside diameter up to 2.08 mm/.082". It is made of polypropylene, is UL listed, and Cat. 5 compliant.



SPECIFICATION CHART

3M™ SCOTCHLOK™ CONNECTORS AND TOOLS

CONNECTOR	TYPE CONNECTOR	SPECIAL FEATURES	MAXIMUM INSULATION O.D.		PIC-UNFILLED AND PIC-FILLED		PULP OR PAPER	
			Metric (mm)	Inches	AWG	Metric (mm)	AWG	Metric (mm)
UR2 		Gel-filled UL Listed Polypropylene Cat.5	2,08	0.082	26-19	0,4-0,9	N/A	N/A
UR2-D 		Dry Polypropylene	2,08	0.082	26-19	0,4-0,9	26-19	0,4-0,9
UR 		Gel-filled UL Listed Polycarbonate Cat. 5	1,52	0.060	26-19	0,4-0,9	N/A	N/A
UY2 		Gel-filled UL Listed Polypropylene Cat.5	2,08	0.082	26-19	0,4-0,9	N/A	N/A
UY2-D 		Dry Polypropylene	2,08	0.082	26-19	0,4-0,9	26-19	0,4-0,9
UY 		Gel-filled UL Listed Polycarbonate Cat.5	1,52	0.060	26-22	0,4-0,7	N/A	N/A
*557TG2 		Gel-filled Polypropylene	3,0	0.12	22-16	0,6-1,3	N/A	N/A
UYF 		Gel-filled UL Listed Polycarbonate Cat. 5	1,52	0.060	26-20	0,4-0,8	N/A	N/A
UP2 		Dry Flame Retardant UL Listed Polycarbonate	1,52	0.060	26-22	0,4-0,7	26-22	0,4-0,7
UP3 		Dry Flame Retardant UL Listed Polycarbonate	1,52	0.060	26-19	0,4-0,9	26-19	0,4-0,9
UAL 		Gel-filled For Aluminum Polycarbonate	Outside parts: 2,08 Middle Prts: 1,88	Outside parts: 0.082 Middle Prts: 0.074	20-17 AL 24-19 CU	0,8-1,2 AL 0,5-0,9 CU	N/A	N/A
211 		Gel-filled UL Listed Polypropylene Cat. 5	2,08	0.082	26-19	0,4-0,9	N/A	N/A

*Inline and drop wire connectors can only be used with E-9BM.

ORDERING INFORMATION

3M™ SCOTCHLOK™ CONNECTORS

CONNECTOR	BOX PACKAGING Weight kg (lbs.) MIN. ORDER UPC	BULK PACKAGING Weight kg (lbs.) MIN. ORDER UPC	CARTRIDGE PACKAGING Weight kg (lbs.) MIN. ORDER UPC	JAR PACKAGING Weight kg (lbs.) MIN. ORDER UPC	CLAMSHELL PACKAGING Weight kg (lbs.) MIN. ORDER UPC
UR2	100/box, 1000/cs. 1.36 (3) 1000 connectors 054007-68538	500/box, 5000/cs. 6.7 (15.2) 5000 connectors 054007-56390	10/cart, 100/pak., 1000/cs. 2.09 (4.6) 1000 connectors 054007-68541	500/jar, 5000/cs. 5.9 (13.1) 5000 connectors 051115-22977	25/pak, 1000/cs. 50/pak, 1000/cs. 1.8 (3.9) 1.54 (3.4) 1000 conns. 20 paks 051115-22985 051115-25920
UR2-D	N/A N/A N/A N/A	500/box, 5000/cs. 6.7 (15.2) 5000 connectors 054007-33277	10/cart, 100/pak., 1000/cs. 2.09 (4.6) 1000 connectors 054007-27816	500/jar, 10/cs. 5.98 (13.19) 5000 connectors 051115-25965	N/A N/A N/A N/A
UR	100/box, 1000/cs. 1.36 (3) 1000 connectors 054007-68537	500/box, 5000/cs. 6.7 (15.2) 5000 connectors 054007-68535	10/cart, 100/pak., 1000/cs. 2.09 (4.6) 1000 connectors 054007-68534	N/A N/A N/A N/A	N/A N/A N/A N/A
UY2	100/box, 1000/cs. 0.9 (1.3) 1000 connectors 054007-14911	1000/box, 5000/cs. 2.8 (6.1) 5000 connectors 054007-33278	12/cart, 120/pak., 1200/cs. 1.4 (3.5) 1200 connectors 054007-27817	500/jar, 10/cs. 3.8 (8.3) 500 connectors 051115-22979	25/pak, 1000/cs. 50/pak, 1000/cs. 1.3 (2.8) 1.08 (2.4) 1000 conns. 20 paks 051115-229854 051115-25921
UY2-D	N/A N/A N/A N/A	1000/box, 5000/cs. 2.8 (6.1) 5000 connectors 051138-57359	12/cart, 120/pak., 1200/cs. 1.4 (3.5) 1200 connectors 054007-71478	500/jar, 10/cs. 3.76 (8.3) 5000 connectors 051115-25964	N/A N/A N/A N/A
UY	100/box, 1000/cs. 0.9 (1.3) 1000 connectors 054007-14911	1000/box, 5000/cs. 2.8 (6.1) 5000 connectors 054007-33278	16/cart, 160/pak., 1600/cs. 1.4 (3.5) 1600 connectors 054007-27817	N/A N/A N/A N/A	N/A N/A N/A N/A
557TG2	N/A N/A N/A N/A	500/bag, 5000/box 9.09 (20) 5000 connectors 051138-57359	N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A
UYF	500/box, 2500/cs. 2.15 (4.75) 2500 connectors 051115-18516	N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A
UP2	N/A N/A N/A N/A	1000/box, 5000/cs. 2.4 (5.4) 5000 connectors 054007-33420	16/cart, 160/pak., 1600/cs. 1.4 (3.2) 1600 connectors 054007-32698	N/A N/A N/A N/A	N/A N/A N/A N/A
UP3	100/box, 1000/cs. 1.22 (2.7) 1000 Connectors 051115-16230	1000/box, 5000/cs. 7.31 (13.3) 5000 connectors 054007-33419	10/cart, 100/pak., 1000/cs. 2.0 (4.4) 1000 connectors 054007-32700	N/A N/A N/A N/A	N/A N/A N/A N/A
UAL	100/box, 1000/cs. 1.22 (2.7) 1000 connectors 051115-19163	N/A N/A N/A N/A	10/cart, 100/pak., 1000/cs. 2.1 (4.7) 1000 connectors 054007-27828	N/A N/A N/A N/A	N/A N/A N/A N/A
211	100/box, 1000/cs. 1.2 (2.6) 1000 connectors 054007-34079	N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A

Butt Splicing