

## Wire joints

Crimp-on wire joints, one-piece nylon self-insulated



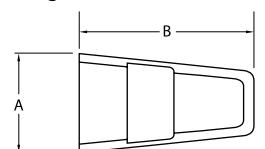
Cat. no.	Pkg. qty.	Wire range (AWG)		Rec. tool	Dimensions (in.)	
		Min.	Max.		A	B
RB44	100	2 #18	2 #16	WT2000	0.31	0.78
RB4-TB	1,000	2 #18	2 #16	WT2000	0.31	0.78
RC55	50	4 #18	2 #12	WT2130A	0.43	0.95
RC6	500	4 #18	2 #12	WT2130A	0.43	0.95
RP12	100	3 #14	4 #12	WT2130A	0.53	1.00
RP7	1,000	3 #14	4 #12	WT2130A	0.53	1.00

Cat. no.	Allowable wire combinations						
	#22	#20	#18	#16	#14	#12	#10
RB4-TB/ RB44	-	-	2-3	-	-	-	-
	-	-	1-2	2	-	-	-
	3	-	-	-	-	-	-
	-	3	-	-	-	-	-
	3	-	1	-	-	-	-
	2	3	-	-	-	-	-
	1-2	-	2	-	-	-	-
	2	-	-	1	-	-	-
	-	3	1	-	-	-	-
	1	2	-	-	-	-	-
	-	2	-	1	-	-	-
	-	1	2	-	-	-	-

Cat. no.	Allowable wire combinations						
	#22	#20	#18	#16	#14	#12	#10
RC6/RC55	-	-	1-4	-	-	1	-
	-	-	-	1-3	-	1	-
	-	-	-	-	1-2	1	-
	-	-	-	-	-	2	-
	-	-	3-5	-	1	-	-
	-	-	-	2-4	1	-	-
	-	-	-	-	3	-	-
	-	-	1-4	-	2	-	-
	-	-	-	1-3	2	-	-
	-	-	1-3	-	3	-	-
	-	-	-	1	3	-	-
	-	-	-	2-5	-	-	-
	-	-	4-6	-	-	-	-

Cat. no.	Allowable wire combinations						
	#22	#20	#18	#16	#14	#12	#10
RP7/RP12	-	-	-	-	-	-	2
	-	-	-	-	-	1	1
	-	-	-	-	1	-	1
	-	-	-	-	-	2-4	-
	-	-	-	-	2-4	1	-
	-	-	-	-	1-3	2	-
	-	-	-	-	1	3	-
	-	-	-	-	3-6	-	-
	-	-	-	-	1	2-3	-
	-	-	-	-	2	1-2	-
	-	-	-	-	3	1-2	-
	-	-	-	-	4	1	-

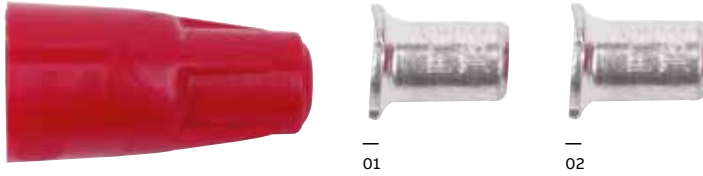
Diagram



# Wire joints

## PT Series crimp-on wire joints

- 01 Two-piece barrel nylon insulator
- 02 Non-insulated barrel



Diagrams	Cat. no.	Fig.	Pkg. qty.	Wire range (AWG)		Rec. tool	Dimensions (in.)	
				Min.	Max.		A	B
	PT66M	1	100	2 #18	3 #12 combination	WT161M	0.50	0.93
	PT6M	1	100	—	Insulator only	WT161M	0.50	0.93
	PT60M	1	100	2 #14	3 #12 connector only	WT161M	0.31	0.37
	PT70	2	200	2 #14	3 #12	WT161M	0.29	0.34
	PT70M	2	200	3 #18	4 #12	WT161M	0.31	0.37
	PT80	2	100	2 #16	4 #10	WT161M	0.35	0.62

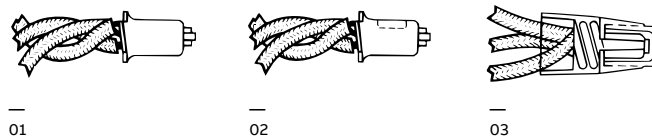
90°C rated

- 01 Twist wires, insert through serrated barrel of wire joint (PT60M, PT70, PT70M, PT80).

### Installation procedure for "PT" connectors

- 02 Crimp and trim off excess wire with WT161M hand tool.

- 03 Screw PT6M insulator firmly onto PT160M barrel.



## Wire joints

### High-temperature wire joints



- Rated for temperatures up to 150 °C (302 °F), 600 V maximum
- Molded, one-piece nylon construction for electrical insulation, UL94-V2
- Brazed copper sleeve prevents separation of connection during crimping
- Internal serrations enable cold flow for increased conductivity and pull-out strength



Cat. no.	Pkg. qty.	Wire range (AWG)		Rec. tool	Dimensions (in.)	
		Min.	Max.		A	B
RB4-HT	1,000	2 #18	2 #16	WT2000	0.36	0.82
RB44-HT	100	2 #18	2 #16	WT2000	0.36	0.82
RC6-HT	500	3 #16	3 #14	ERG4001, WT2130A	0.48	0.95
RC551-HT	100	3 #16	3 #14	ERG4001, WT2130A	0.48	0.95
RP7-HT	500	3 #14	3 #12	ERG4007, WT2130A	0.53	1.00
RP12-HT	100	3 #14	3 #12	ERG4007, WT2130A	0.53	1.00

#### Wire joints UL listed combinations

Cat. no.	Solid or stranded AWG	Cat. no.	Solid or stranded AWG
RB4-TB, RB44, RB4-10M	(2) or (3) #18	RP7, RP-12	(2) to (4) #12 AWG
	(2) #16		(3) to (6) #14 AWG
	(1) #16 and (1) or (2) #18		(3) #12 and (1) #14
	(3) #22		(2) #12 and (1) #14
	(3) #20		(2) #12 and (2) #14
	(3) #22 and (1) #18		(2) #12 and (3) #14
	(2) #22 and (3) #20		(1) #12 and (2) #14
	(1) or (2) #22 and (2) #18		(1) #12 and (3) #14
	(2) #22 and (1) #16		(1) #12 and (4) #14
	(3) #20 and (1) #18		(2) #10
	(2) #20 and (1) #22		(1) #10 and (1) #12
	(2) #20 and (1) #16		(1) #10 and (1) #14
	(1) #20 and (2) #18		(1) #8 Tor. and (1) #16
	(1) #14 with (2), (3) or (4) #16		(1) #10 and (1) #16
	(1) #14 with (3), (4) or (5) #18		(1) #12 and (1) #16
(2) #14 with (1), (2), (3) or (4) #18			
(2) #14 with (1), (2) or (3) #16			
(3) #14			
(4) to (7) #18			
(3) #14 with (1) or (2) #18			
(3) #14 with (1) #16			
(1) #12 with (1), (2), (3) or (4) #18			
(1) #12 with (1), (2) or (3) #16			
(1) #12 with (1) or (2) #14			
(5) #16			