TW Series THRU-WALL BARRIER® Cable/Conduit Sealing Device

COOPER Crouse-Hinds

Installation & Maintenance Information

IF 838

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

TW Series THRU-WALL BARRIER® Cable/Conduit Sealing Device consists of TWF frames assembled with TWB Sealing Block Assemblies.

The following combinations have been classified by Underwriters Laboratories, Inc. The UL classification includes TWF6, TWF10, TWF20, TWF24, and TWF30 frames either grouted into masonry or concrete, or cast into concrete installations.

The inside of the frames may be coated with a silicone lubricant just prior to installation of TWB Sealing Block Assemblies. The lubricants to be used are Silipicone® Brand Release Agent made by Dow Corning Corporation or #206 All-Purpose Silicone Lubricant made by Sprayon Products Division of The Sherwin-Williams Company. These will be supplied by Cooper Crouse-Hinds as TWL1, or may be obtained independently.

The appropriate reducers (TWR2 or TWR3) are used in conjunction with cables having an O.D. smaller than the diameter range of the opening in the TWB Sealing Block Assemblies.

Sealing Block	Installation Position	Cable or Conduit Type (See Table)	Hourly Rating
TWB1, TWB3	Vertical (Wall)	none	3
TWB1, TWB3	Horizontal (Floor)	none	3
TWB1111, TWB2111	Vertical (Wall)	E, F, G, H, L	3
TWB1111, TWB2111	Horizontal (Floor)	E, F, G, H, L	3*
TWB2112, TWB2062	Vertical (Wall)	D, E, F, G, H, I, J, L, M	3
TWB2112, TWB2062	Horizontal (Floor)	L, M	3
TWB2062	Horizontal (Floor)	D, E, F, G, H, I, J	3*
TWB2112	Horizontal (Floor)	D, E, F, G, H, I, J	3***
TWB2063	Vertical (Wall)	I, J, K	3
TWB2063	Vertical (Wall)	A, B, C, D, M, N, O	3*
TWB2063	Horizontal (Floor)	A, B, C, D, I, J, K, M, N, O	3**

Plug Reducer	Installation Position	Cable or Conduit Type (See Table)	Hourly Rating
TWP1, 3	Vertical (Wall)	none	3
TWP1, 3	Horizontal (Floor)	none	3
TWR2, 3	Vertical (Wall)	D, E, F, G, H, I, J, L, M, N	3
TWR2, 3	Horizontal (Floor)	D, E, F, G, H, I, J, L, M, N	3

*With cables in every other opening in both directions (up to 50% fill) and plugs (TWP1 or 3) in all remaining openings. When cable fill is greater and/or cables are in adjacent openings, rating is 2 hours.

**With cables in every other opening in both directions (up to 50% fill) and plugs (TWP3) in all remaining openings.

***With cables in every other row and plugs (TWP1) in all remaining openings. When cable fill is greater and/or cables are in adjacent rows, rating is 2 hours.

TABLE

Cable or Conduit Type	Description
A	**Type THW** - 75°C; stranded copper conductor; 300 MCM; polyvinyl chloride insulated.
B	**Type RHH** - 90°C; stranded copper conductor; 300 MCM; crosslinked polyethylene insulated.
C	**Type RHH** - 90°C; stranded copper conductor; 250 MCM; crosslinked polyethylene insulated.
D	**Type RHH**; stranded copper conductor; 2/0 AWG; crosslinked polyethylene insulation; with TWR3 reducer when installed in 1 inch hole.
E	**Type RHH** - 90°C; stranded copper conductor; No. 4 AWG; crosslinked polyethylene insulated; with TWR2 reducer when installed in 3/4 inch hole.
F	**Type TC**; stranded copper conductor; 2 conductor, No. 16 AWG; crosslinked polyethylene insulation; polyvinyl chloride jacket; with TWR2 reducer when installed in 3/4 inch hole.
G	**Type TC**; stranded copper conductor, 2 conductor, No. 16 AWG; polyvinyl chloride insulation; polyvinyl chloride jacket; with TWR2 reducer when installed in 3/4 inch hole.
H	**Two Cable Type F or G** in each hole with General Electric Type RTV106 (a product recognized by UL) or RTV7403 (bearing the UL classification marking) silicone sealant filling spaces between cables *just prior to tightening of the sealing block assemblies*; with TWR2 reducer when installed in 3/4 inch hole.
I	**Four of Cable Type F or G** in each hole with General Electric Type RTV106 (a product recognized by UL) or RTV7403 (bearing the UL classification marking) silicone sealant filling spaces between cables *just prior to tightening of the sealing block assemblies*; with TWR3 reducer when installed in 1 inch hole.
J	**Type TC**; stranded copper conductor; 7 conductor, No. 12 AWG; crosslinked polyethylene insulation; polyvinyl chloride jacket with TWR3 reducer when installed in 1 inch hole.
K	Conduit; 1/2 inch rigid galvanized steel conduit.
L	**Type USE, RHH or RHW**; Anaconda S Unicon-Frep; stranded copper conductor; VW-1 6, 4, 2, or 1 AWG; flame retardant ethylene propylene insulation, 600V; with TWR2 reducer when installed in 3/4 inch hole.
M	**Type USE, RHH or RHW**; Anaconda S Unicon-Frep; stranded copper conductor; VW-1 1/0 or 2/0 AWG; flame retardant ethylene propylene insulation, 600V; with TWR3 reducer when installed in 1 inch hole.
N	**Type USE, RHH or RHW**; Anaconda S Unicon-Frep; stranded copper conductor; VW-1 3/0 or 4/0 AWG; flame retardant ethylene propylene insulation, 600V; with TWR3 reducer when installed in 1 inch hole.
O	**Type USE, RHH or RHW**; Anaconda S Unicon-Frep; stranded copper conductor; VW-1 250 MCM; flame retardant ethylene propylene insulation, 600V.

Cooper Industries Inc., Crouse-Hinds Division
PO Box 4999
Syracuse, New York 13221 • U.S.A.

IF 838
Revision 3
Revised 09/12
Supercedes 02/84