

INSTALLATION DETAILS

For cables installed in non-fire rated areas install per the NEC or CEC. For cables installed in fire rated areas, see limits for UL System 40A.

1. WALL OR FLOOR ASSEMBLY*:

Minimum 2 hour rated concrete or masonry wall or concrete floor. Opening in wall or floor through which raceway passes is to be sized to closely follow the contour of the raceway. Through opening in wall or floor shall be fire stopped using an approved firestop system. See Through-penetration Firestop Systems (XHEZ) for presently certified firestop systems.

2. RACEWAY* – Horizontal and Vertical Installation:

Type EMT – ALLIED TUBE & CONDUIT CORP & Columbia-MBF - E-Z Pull™ and True Color™ Brands or WHEATLAND/WESTERN TUBE CO and WHEATLAND Color EMT

Type IMC – ALLIED TUBE & CONDUIT CORP or WHEATLAND/WESTERN TUBE CO

3. CONDUIT FILL TABLES

VERTICAL & HORIZONTAL – SHIELDED CONSTRUCTIONS - Excluding Data Cables

Raceway/ Conduit Size	2C18 AWG Solid Shielded - 36397	3C18 AWG Solid Shielded - 36660	4C18 AWG Solid Shielded - 36661	6C18 AWG Solid Shielded - 36662	8C18 AWG Solid Shielded - 36663
1/2"①	1	0	0	0	0
3/4"	2	1	1	1	1
1"	4	3	3	1	1
1 1/4"	7	6	5	3	2
1 1/2"	7	6	5	3	2
2"	7	6	5	3	2
Raceway/ Conduit Size	2C16 AWG Solid Shielded - 35785	3C16 AWG Solid Shielded - 36664	4C16 AWG Solid Shielded - 36665	6C16 AWG Solid Shielded - 36666	8C16 AWG Solid Shielded - 36667
1/2"①	0	0	0	0	0
3/4"	0	0	0	0	0
1"	3	2	2	1	1
1 1/4"	6	5	4	2	2
1 1/2"	8	7	5	3	3
2"	10	9	6	4	4

VERTICAL & HORIZONTAL – SHIELDED CONSTRUCTIONS Cont. - Excluding Data Cables

Raceway/ Conduit Size	2C14 AWG Solid Shielded - 36316	3C14 AWG Solid Shielded - 36668	4C14 AWG Solid Shielded - 36669	6C14 AWG Solid Shielded - 36670	8C14 AWG Solid Shielded - 36671
1/2"①	0	0	0	0	0
3/4"	0	0	0	0	0
1"	3	2	2	1	1
1 1/4"	5	4	3	2	2
1 1/2"	6	5	4	2	2
2"	10	7	6	4	4

VERTICAL & HORIZONTAL – NON-SHIELDED CONSTRUCTIONS – Excluding Data Cables

Raceway/ Conduit Size	2C18 AWG Solid – 36337	3C18 AWG Solid – 36672	4C18 AWG Solid – 36673	6C18 AWG Solid – 36674	8C18 AWG Solid – 36675
1/2"①	1	0	0	0	0
3/4"	2	1	1	0	0
1"	4	3	2	1	1
1 1/4"	7	5	5	3	2
1 1/2"	8	7	6	3	3
2"	10	8	8	4	4
Raceway/ Conduit Size	2C16 AWG Solid – 35777	3C16 AWG Solid – 36676	4C16 AWG Solid – 36677	6C16 AWG Solid – 36678	8C16 AWG Solid – 36679
1/2"①	1	0	0	0	0
3/4"	2	1	1	0	0
1"	3	2	2	1	1
1 1/4"	6	4	3	2	2
1 1/2"	8	7	5	3	3
2"	10	9	7	5	4
Raceway/ Conduit Size	2C14 AWG Solid - 36338	3C14 AWG Solid - 36680	4C14 AWG Solid - 36681	6C14 AWG Solid - 36682	8C14 AWG Solid - 36683
1/2"①	1	0	0	0	0
3/4"	1	0	0	0	0
1"	3	2	2	1	1
1 1/4"	5	4	3	2	2
1 1/2"	7	5	4	3	2
2"	10	6	6	4	4