

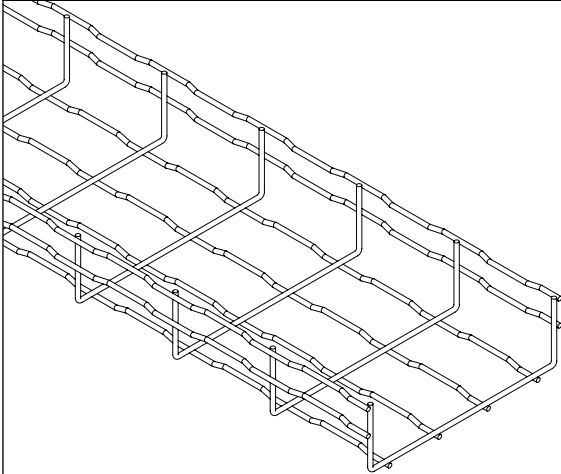


Certificado Nº SGI 3198055/11



Certificado Nº SGI 3198065/12

BFR



Models (BxH):

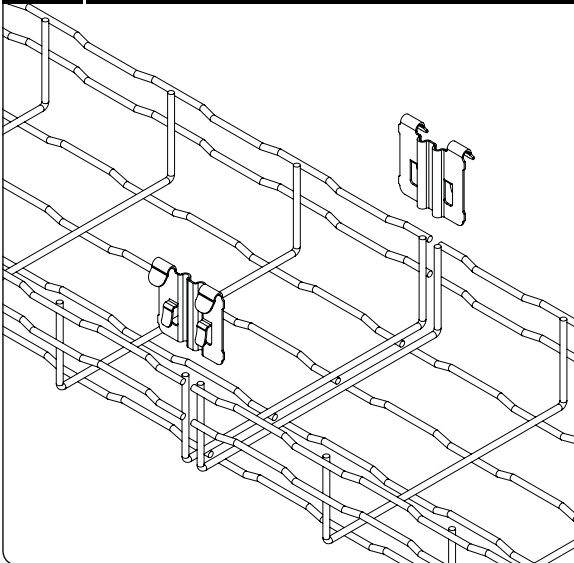
4"x1"1/2 (100x35); 6"x1"1/2 (150x35); 8"x1"1/2 (200x35); 12"x1"1/2 (300x35);
 2"x2" (60x65); 4"x2" (100x65); 6"x2" (150x65); 8"x2" (200x65); 12"x2" (300x65); 16"x2"
 (400x65); 20"x2" (500x65); 24"x2" (600x65); 8"x4" (200x105); 12"x4" (300x105); 16"x4"
 (400x105); 20"x4" (500x105); 24"x4" (600x105).

Materials/Coatings: EZ, HDG, SS304, SS316.

Characteristics of the cable tray:

- Metallic
- No-flame propagating component
- System with electrical continuity
- Electrically conductive component
- Minimum temperature of -50 °C
- Maximum temperature of 150 °C
- Impact strength: 20J

ASSEMBLING INSTRUCTIONS



- To assemble 2 trays 1 bolt&Staple Set or ULA Set are needed in each wing of the tray.
- For trays wider than 200 mm (8") an additional Bolt&Staple Set is needed in the center of the base.
- Models of 65 mm (2") and 105 mm (4") in height could use one Quick Joint BF 65/105 in each wing of the tray with one bolt&staple BF set in the center of the base.
- Tray installation for an electrical system should NOT run under other types of canalizations such as water, vapour or gas.
- For an easier manipulation of cables, we recommend installing the trays with a distance between them of 250 mm (10").
- Trays which are placed on supports shall have to keep a gap of 20 mm (4/5") from the wall to allow for a proper ventilation of the cables.
- To be used as grounding conductor, models 4"x1"1/2 (100x35), 6"x1"1/2 (150x35), 8"x1"1/2 (200x35), 12"x1"1/2 (300x35), 2"x2" (60x65), 4"x2" (100x65), 6"x2" (150x65), 8"x2" (200x65) must be mounted with ground connection clamp (ref. 2/6796) and 10 AWG wire.

Accessories:

Range accessories: Cover, Divider Profiles, Drop-out plate.

Union Elements: Quick Joints (H35&H65-105), BF Bolt&Staple Set, BF Bolt Set, multi-union plate.

Supporting elements: SSC, Universal Box Support, Mini Universal Box Support, Conduit Drop-Out Plate.

APPROVALS



- BASORFIL wire-mesh cable trays are UL certified for US and Canada by UL (File - E358301).
- UL certification guarantees that BFR wire-mesh models, mounted following the ASSEMBLING INSTRUCTIONS, can be used as equipment-grounding conductor in accordance with Article 392 of NFPA 70 National Electric Code, and the CEC, Part 1, Canadian Electrical Code.

SAFE WORKING LOAD / NEMA CLASSIFICATION

Load Values & NEMA Classification for EZ&HDG

	SWL kg/m (lb/ft)		Classification	
	5 ft	8 ft	5 ft	8 ft
	1,52 m	2,44 m	1,52 m	2,44 m
BFR 4"x1"1/2 (100x35)	22,3 (15)	8,7 (5,8)	-	-
BFR 6"x1"1/2 (150x35)	22,3 (15)	8,7 (5,8)	-	-
BFR 8"x1"1/2 (200x35)	22,3 (15)	8,7 (5,8)	-	-
BFR 12"x1"1/2 (300x35)	28,4 (19,1)	11,1 (7,5)	-	-
BFR 2"x2" (60x65)	12,5 (8,4)	4,9 (3,3)	-	-
BFR 4"x2" (100x65)	28,4 (19,1)	11,1 (7,5)	-	-
BFR 6"x2" (150x65)	31,7 (21,3)	12,4 (8,3)	-	-
BFR 8"x2" (200x65)	47,6 (32)	18,6 (12,5)	5AA	-
BFR 12"x2" (300x65)	57,1 (38,4)	22,3 (15)	5AA	-
BFR 16"x2" (400x65)	69,9 (47)	27,3 (18,3)	5AA	-
BFR 20"x2" (500x65)	63,5 (42,7)	24,8 (16,7)	5AA	-
BFR 24"x2" (600x65)	79,4 (53,3)	31 (20,8)	5A	-
BFR 8"x4" (200x105)	72,2 (48,5)	28,2 (18,9)	5AA	-
BFR 12"x4" (300x105)	76 (51,1)	29,7 (20)	5A	-
BFR 16"x4" (400x105)	111,1 (74,7)	43,4 (29,2)	5A	8AA
BFR 20"x4" (500x105)	107,8 (72,4)	42,1 (28,3)	5A	8AA
BFR 24"x4" (600x105)	117,5 (79)	45,9 (30,8)	5A	8AA

Load Values & NEMA Classification for SS304&SS316

	SWL kg/m (lb/ft)		Classification	
	5 ft	8 ft	5 ft	8 ft
	1,52 m	2,44 m	1,52 m	2,44 m
BFR 4"x1"1/2 (100x35)	18,9 (12,7)	7,4 (5)	-	-
BFR 6"x1"1/2 (150x35)	22,3 (15)	8,7 (5,8)	-	-
BFR 8"x1"1/2 (200x35)	22,3 (15)	8,7 (5,8)	-	-
BFR 2"x2" (60x65)	12,8 (8,6)	5 (3,4)	-	-
BFR 4"x2" (100x65)	28,7 (19,3)	11,2 (7,5)	-	-
BFR 6"x2" (150x65)	25,3 (17)	9,9 (6,7)	-	-
BFR 8"x2" (200x65)	44,5 (29,9)	17,4 (11,7)	5AA	-
BFR 12"x2" (300x65)	54, (36,3)	21,1 (14,2)	5AA	-
BFR 16"x2" (400x65)	60,2 (40,4)	23,5 (15,8)	5AA	-
BFR 20"x2" (500x65)	57,1 (38,4)	22,3 (15,)	5AA	-
BFR 24"x2" (600x65)	54 (36,3)	21,1 (14,2)	5AA	-
BFR 8"x4" (200x105)	73 (49)	28,5 (19,2)	5AA	-
BFR 12"x4" (300x105)	69,9 (47)	27,3 (18,3)	5AA	-
BFR 16"x4" (400x105)	76 (51,1)	29,7 (20)	5A	-
BFR 20"x4" (500x105)	73 (49)	28,5 (19,2)	5AA	-
BFR 24"x4" (600x105)	69,9 (47)	27,3 (18,3)	5AA	8AA

NOTE: Load Values and Classification obtained according to Load to destruction test per NEMA VE1 with 1.5 Safety Factor