



CAT HP J-HOOK, PRE-GALVANIZED, 3" DIA

CATALOG NUMBER

CAT48HP



nVent CADDY Cat HP J-Hooks are the heart of the nVent CADDY Cat HP System. The J-Hooks have a wide base design and smooth beveled edges to provide a large bending radius for current and future high-performance data cables and fibre optics. nVent CADDY Cat HP J-Hooks are available in a wide range of sizes to offer a solution that meets industry standards for Cat 6A and easily accommodates Cat 7, large-diameter fibre optic, innerduct and coax cable. Individual nVent CADDY Cat HP J-Hooks can be fastened directly to the building structure or can be used to expand existing nVent CADDY Cat HP J-Hook cable supports. The J-Hooks are designed to provide a strong and stable pathway support installation.

CERTIFICATIONS



FEATURES

Provides optimal support for high-performance data cable, up to and including Cat 5e, Cat 6, Cat 6A, Cat 7 and fibre optic

Rounded edges on J-Hooks provide proper bend radius support for high performance data cables

Multiple color options aid in the identification and organization of the pathway application

Provides superior fill capacity and load rating over most other non-continuous cable support alternatives

Compliant with UL® 2043 and suitable for use in air handling (plenum) spaces

Tested according to DIN 4102-12

Complies with EN 50174-2

Meets ISO®/IEC 14763-2, ANSI®/TIA 568 and ANSI®/TIA 569

PRODUCT ATTRIBUTES

Article Number: 181063

Material: Steel

Finish: Pregalvanized

Diameter: 75 mm

Height: 168.10 mm

Area: 5,974 mm²

Cable Capacity, Cat 5e: 200

Cable Capacity, Cat 6: 150

Cable Capacity, Cat 6A: 80

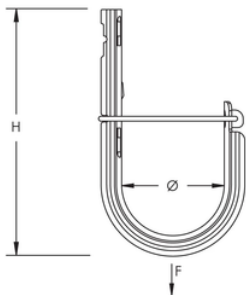
Static Load: 270 N

ADDITIONAL PRODUCT DETAILS

Non-continuous supports may not exceed spacing of 5' (1.5 m) per TIA 569-C.9.7 and EN 50174-2.

Cable capacity is calculated based on a 70% fill rate.

DIAGRAMS



Cable	Number of Twisted Pairs	AWG	Cable Diameter	Capacity (70% fill)			
				CAT16HP	CAT32HP	CAT48HP	CAT64HP
UTP	4	24	5 mm	20	70	160	280
FTP	4	24	6 mm	15	50	110	190
SFTP	4	24	6 mm	15	50	110	190
SFTP	4	23	7 mm	10	40	85	140
F/STP	4	23	8,5 mm	7	25	60	100
SFTP	4	23	8,5 mm	7	25	60	100
SFTP	3x4	24	14 mm	2	9	20	35
UTP	25	24	13 mm	3	11	25	40

Fire Rated Power Cable Capacity (Distance between J-hooks must not exceed 500 mm center to center)									
Part Number		CAT16HP		CAT32HP CAT48HP		CAT64HP		CAT64HP	
Configuration		Single Layer		Single Layer		Single Layer		Double Layer	
Max Load per Support [kg/m]		0.8 kg/m		1.4 kg/m		2.6 kg/m		2 kg/m	
Cable	Linear Weight of the Cable [kg/m]	Number of Cables	Classification	Number of Cables	Classification	Number of Cables		Classification	
4x1,5 (N)HXH FE180 E30-E60	0.234	3	E30	5	E30 E60	11	E30 E60	8	E30 E60
5x1,5 (N)HXH--FE180 E30-E60	0.277	2		5	E30	9	E30	7	E30
7x1,5 (N)HXH--FE180 E30-E60	0.330	2		4		7		6	
12x1,5 (N)HXH--FE180 E30-E60	0.513	1		2		5		3	
19x1,5 (N)HXH--FE180 E30-E60	0.715	1		1		3		2	
24x1,5 (N)HXH--FE180 E30-E60	0.901	-		1		2		2	
30x1,5 (N)HXH--FE180 E30-E60	1.052	-		1		2		1	
2x2,5 (N)HXH--FE180 E30-E60	0.178	4	E30	-		-		-	
3x2,5 (N)HXH--FE180 E30-E60	0.250	3		-		-		-	
4x2,5 (N)HXH--FE180 E30-E60	0.296	2		-		-		-	
5x2,5 (N)HXH--FE180 E30-E60	0.352	2		-		-		-	
4x1,5 (N)HXH--FE180 E90	0.234	3	E30 E60 E90	5	E30 E60 E90	11	E30 E60 E90	8	E30 E60 E90
5x1,5 (N)HXH--FE180 E90	0.277	2		5		9		7	
7x1,5 (N)HXH--FE180 E90	0.330	2		4		7		6	
12x1,5 (N)HXH--FE180 E90	0.511	1		2		5		3	
24x1,5 (N)HXH--FE180 E90	0.901	-		1		2		2	
2x2x0,8---JE-H(St)H...Bd FE180 E30-E90	0.060	13	E30	-		-		-	
4x2x0,8---JE-H(St)H...Bd FE180 E30-E90	0.102	7		-		-		-	
8x2x0,8---JE-H(St)H...Bd FE180 E30-E90	0.221	3		-		-		-	

12x2x0,8---JE-H(St)H...Bd FE180 E30-E90	0.281	2	-	-	-
16x2x0,8---JE-H(St)H...Bd FE180 E30-E90	0.326	2	-	-	-
20x2x0,8---JE-H(St)H...Bd FE180 E30-E90	0.421	1	-	-	-
32x2x0,8---JE-H(St)H...Bd FE180 E30-E90	0.588	1	-	-	-
40x2x0,8---JE-H(St)H...Bd FE180 E30-E90	0.761	1	-	-	-

Fire rating applicable when linking specified J-hook to the following components	Fire rating applicable to the following riveted assemblies			
Part number	Part number			
CATHPAN	CAT16HPAB	CAT32HPAB	CAT48HPAB	CAT64HPAB
CATHPA4	CAT16HPBCB	CAT32HPAFAB3	CAT48HPAFAB3	CAT64HPAFAB3
CATHPA6	CAT16HPBC200B	CAT32HPAFAB4	CAT48HPAFAB4	CAT64HPAFAB4
CATHPTM	CAT16HP24SM	CAT32HPAFAB6	CAT48HPBCB	CAT64HPBCB
CATHPBCB	CAT16HP58SM	CAT32HPBCB	CAT48HP58SM	CAT64HPBC200B
CATHPBC200B	CAT16HP912SM	CAT32HPBC200B	CAT48HP912SM	CAT64HP58SM
CATHP912SM	CAT16HP24	CAT32HP24SM	CAT48HP24	CAT64HP912SM
CATHP24	CAT16HP58	CAT32HP912SM	CAT48HP58	CAT64HP24
CATHP58	-	CAT32HP24	-	-
CATHP912	-	-	-	-

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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