

NVENT CADDY CAT HP J-HOOK



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

SPECIFICATIONS

Finish: Pregalvanized; Painted

Material: Steel

Table 1/2

Catalog Number	Article Number	Cable Capacity, Cat 6A	Cable Capacity, Cat 5e	Cable Capacity, Cat 6	Height (H)	Diameter (Ø)
CAT16HPBA	181255	10	20	15	109mm	25mm
CAT16HPBU	181252	10	20	15	109mm	25mm
CAT16HPGR	181256	10	20	15	109mm	25mm
CAT16HPOR	181257	10	20	15	109mm	25mm
CAT16HPRD	181251	10	20	15	109mm	25mm
CAT16HPWH	181253	10	20	15	109mm	25mm
CAT16HPYL	181254	10	20	15	109mm	25mm
CAT21HPBA	181185	25	50	40	122.17mm	33.3mm
CAT21HPBU	181182	25	50	40	122.17mm	33.3mm
CAT21HPGR	181186	25	50	40	122.17mm	33.3mm
CAT21HPOR	181187	25	50	40	122.17mm	33.3mm
CAT21HPRD	181181	25	50	40	122.17mm	33.3mm
CAT21HPWH	181183	25	50	40	122.17mm	33.3mm
CAT21HPYL	181184	25	50	40	122.17mm	33.3mm
CAT48HPBA	181125	80	200	150	164.6mm	75mm
CAT48HPBU	181122	80	200	150	164.6mm	75mm
CAT48HPGR	181126	80	200	150	164.6mm	75mm
CAT48HPOR	181127	80	200	150	164.6mm	75mm
CAT48HPRD	181121	80	200	150	164.6mm	75mm
CAT48HPWH	181123	80	200	150	164.6mm	75mm
CAT48HPYL	181124	80	200	150	164.6mm	75mm
CAT64HPBA	181135	140	330	220	188.47mm	100mm
CAT64HPBU	181132	140	330	220	188.47mm	100mm
CAT64HPGR	181136	140	330	220	188.47mm	100mm
CAT64HPOR	181137	140	330	220	188.47mm	100mm
CAT64HPRD	181131	140	330	220	188.47mm	100mm
CAT64HPWH	181133	140	330	220	188.47mm	100mm
CAT64HPYL	181134	140	330	220	188.47mm	100mm

Table 2/2

Catalog Number	Article Number	Area	Static Load (F)	Color
CAT16HPBA	181255	690mm ²	270N	Black
CAT16HPBU	181252	690mm ²	270N	Blue

Catalog Number	Article Number	Area	Static Load (F)	Color
CAT16HPGR	181256	690mm ²	270N	Green
CAT16HPOR	181257	690mm ²	270N	Orange
CAT16HPRD	181251	690mm ²	270N	Red
CAT16HPWH	181253	690mm ²	270N	White
CAT16HPYL	181254	690mm ²	270N	Yellow
CAT21HPBA	181185	1174mm ²	270N	Black
CAT21HPBU	181182	1174mm ²	270N	Blue
CAT21HPGR	181186	1174mm ²	270N	Green
CAT21HPOR	181187	1174mm ²	270N	Orange
CAT21HPRD	181181	1174mm ²	270N	Red
CAT21HPWH	181183	1174mm ²	270N	White
CAT21HPYL	181184	1174mm ²	270N	Yellow
CAT48HPBA	181125	5974mm ²	270N	Black
CAT48HPBU	181122	5974mm ²	270N	Blue
CAT48HPGR	181126	5974mm ²	270N	Green
CAT48HPOR	181127	5974mm ²	270N	Orange
CAT48HPRD	181121	5974mm ²	270N	Red
CAT48HPWH	181123	5974mm ²	270N	White
CAT48HPYL	181124	5974mm ²	270N	Yellow
CAT64HPBA	181135	9987mm ²	270N	Black
CAT64HPBU	181132	9987mm ²	270N	Blue
CAT64HPGR	181136	9987mm ²	270N	Green
CAT64HPOR	181137	9987mm ²	270N	Orange
CAT64HPRD	181131	9987mm ²	270N	Red
CAT64HPWH	181133	9987mm ²	270N	White
CAT64HPYL	181134	9987mm ²	270N	Yellow

ADDITIONAL PRODUCT DETAILS

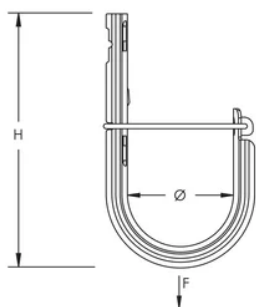
Non-continuous supports may not exceed spacing of 5' (1.5 m) per TIA 569-C.9.7 and EN 50174-2.

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

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		-	-	-	-

DIAGRAMS



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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